

METRO FIRE DEPARTMENT

City of Green Bay

Village of Allouez



2015 Annual Report

EXECUTIVE SUMMARY

I am once again pleased to present the annual report for the Green Bay Metro Fire Department for 2015. The Green Bay Metro Fire Department was notified by Insurance Service Office (ISO) that we have been upgraded to a Class 1 Community. Green Bay is the first city in the State of Wisconsin to achieve this rating and one of only 133 in the US that are rated Class 1. There are 48,855 fire departments in the United States that are graded by ISO and this places the Green Bay Metro Fire Department in the top .3%. Classifications range from 1, representing superior property fire protection, to Class 10 which indicates that the community does not meet the ISO's lowest criteria.

ISO evaluates a community's fire protection services. This includes things such as; fire department staffing, fire prevention activities, training, water supply, and communications. A community's ISO rating assists insurance companies in setting their premium rates. Generally speaking, a community with a Class 1 rating will have much lower property insurance premiums than a Class 5 community. This was truly a historic moment for the City of Green Bay and the outstanding efforts of Fire Department Personnel to accomplish this rating.

Call volume for 2015 increased by just over six percent (6%) over the previous year from 11548 in 2014 to 12,252 in 2015. The request for ambulance service was the major contributing factor for the increase. While fires are a much smaller percentage of calls, it is imperative that we arrive on scene in the shortest amount of time possible. We have worked tirelessly to reduce both the time it takes to dispatch our personnel and the amount of time it takes for crews to get out of the station. Because of lightweight construction and all of the man-made materials used in the common home, fires burn hotter, faster, and produce heavier more toxic smoke than even just 20 years ago. This lethal combination makes it much more dangerous for our fire personnel as well as the citizens that we protect.

I noted in the 2014 Annual Report the situation in Station 7's district as to the average response time for ambulances within their service area. As a result, we made an operational change in our manning model to allow an ambulance to be staffed any time we were above minimum manning requirements. I would direct your attention to the charts on page 13 of this report. The top graph shows the ambulance response time by district and the time for Station 7 is at least 2 minutes and 51 seconds longer than the next station. The chart on the bottom of page 13 shows that the response time drops from 8 minutes 15 seconds to 5 minutes 43 seconds when the ambulance is staffed. This is an improvement of 2 minutes 32 seconds (or 44%) when every second counts during an emergency medical call. This long response time is an area of deep concern for me and the situation will only continue to worsen as the area on the east side continues to develop.

Finally I am proud to report that we were successful in replacing our fire boat that was obsolete. This was accomplished through a private-public partnership with Marathon Petroleum, Centrex, US Oil, Westshore Pipeline and Citgo. These private entities worked with our staff to provide a grant of \$225,000 towards the purchase of the boat. The city, through our operating budget, provided the remaining \$90,000 over a 5 year period. The new boat is state-of-the-art which allows our personnel to fight both water and land based fires, provide rescue on the river/bay, operate at night with night vision technology as well as side sonar to identify objects below the water surface. It should be noted that Station 2 is assigned as the boat station and we are able to place the boat in service within 5 minutes of being alerted to an emergency. None of our other public safety partners are able to respond in such a timely fashion when requested. This provides an additional element of public safety in the region that did not exist prior to this partnership.



Fire Chief David W. Litton

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CITY OF GREEN BAY

Elected and Appointed Officials



Mayor
James Schmitt

City Council

District 1	Jerry Wiezbiskie	District 7	Randy Scannell
District 2	Thomas De Wane, President	District 8	Christopher Wery
District 3	Andy Nicholson	District 9	Guy Zima
District 4	Tim De Wane	District 10	Mark Steuer, Vice-President
District 5	David Nennig	District 11	Brian Danzinger
District 6	Joe Moore	District 12	Thomas Sladek

Police & Fire Commission

Rod Goldhahn, President
Justin Mallett
Barbara Dorff

David Nelson, Vice-President
Nancy Schopf

VILLAGE OF ALLOUEZ
Elected and appointed officials



Village Board

Randy Gast, President
Lynn Green, Trustee
Jim Rafter, Trustee
Bob Dennis, Trustee

Rob Atwood, Trustee
Penny Dart, Trustee
Matthew Harris, Trustee

Village Administrator

Brad Lange

**GREEN BAY METRO FIRE DEPARTMENT
Chief Officers and Staff Officers
2015**

Fire Chief

David W. Litton

Assistant Fire Chief

Michael J. Niefert

Battalion Chiefs, Suppression

Chris Ehmann
Robert Goplin
Steve Sellin
Drew Spielman
Robert Wiegert
Mike VandenAvond

Administrative Assistant

Lynn Beno

Clerk III (one FTE)

Gail Josephson
Jillian Holtger

Life Safety Educator

Nick Craig

Training and Support Services Division Chief

Brent Elliott

Captain, Fire Training

Sean Linssen

Captain, EMS Training

Dustin Ridings

Captain, Fire Marshal's Office

Joseph Gabe

Lieutenant Code Enforcement

Rob Gering
Karl Linsmeier

MISSION STATEMENTS

City of Green Bay Mission Statement

The City of Green Bay is a proud community dedicated to enhancing the quality of life for all residents, businesses, and employees through diligent management of our assets and wise investment in our strategic growth.

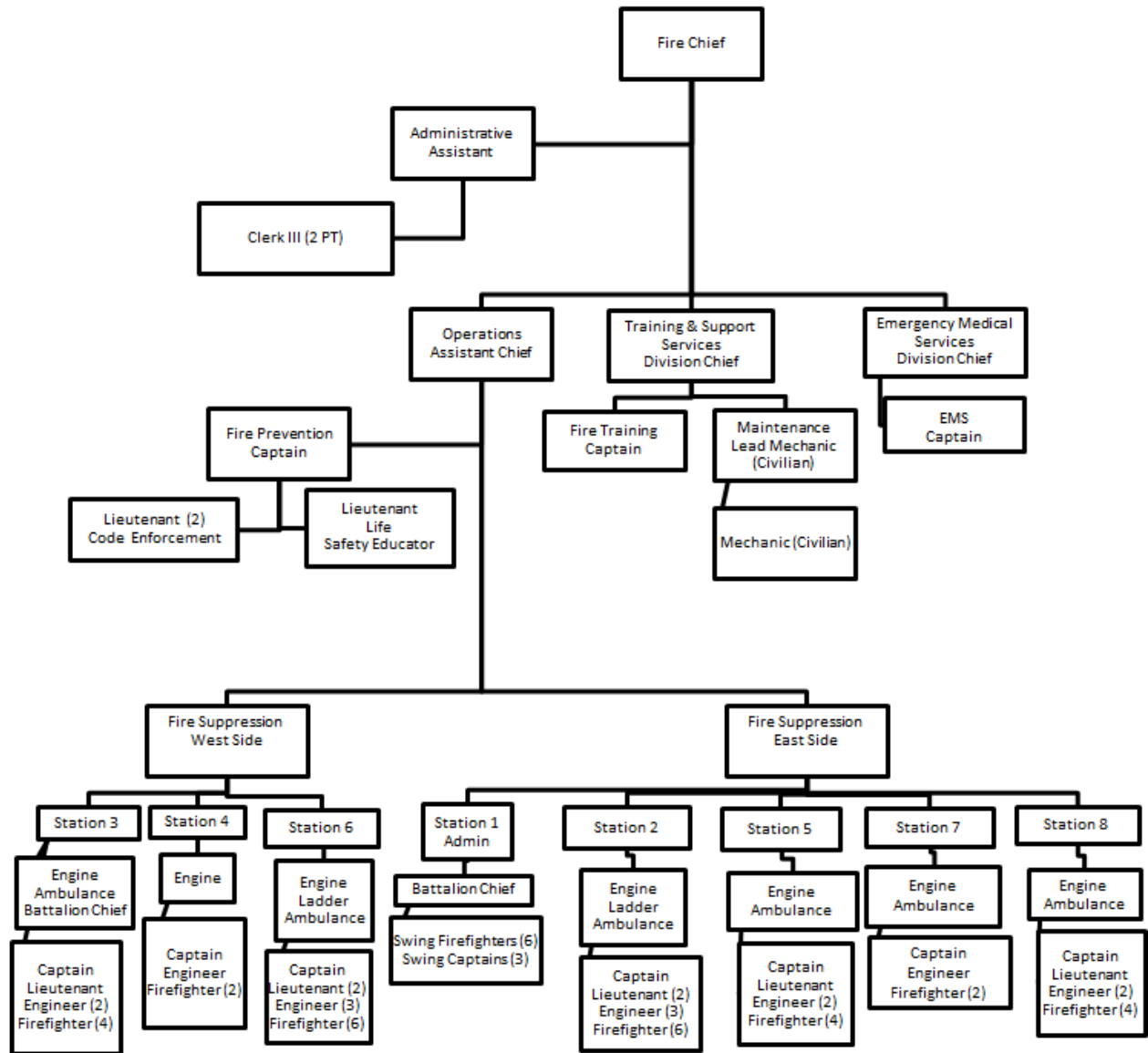
We value our history, our citizens, our diversity, our businesses, our workforce, our volunteers, our neighborhoods, our downtown, and our waterfront.



Green Bay Metro Fire Department Mission Statement

The mission of the Green Bay Metro Fire Department is to protect and educate our community, show compassion to all, and continue the honored tradition and dedication of the fire service.

TABLE OF ORGANIZATION



PERSONNEL CHANGES

Promotions

Promoted to Captain

Lieutenant William S. Kussow, effective March 30, 2015.

Promoted to Lieutenant

Engineer Jim J. DeQuaine, effective March 30, 2015.

Engineer Todd N. Santoro, effective June 20, 2015.

Promoted to Engineer

Firefighter Tyler R. Gerrits, effective March 30, 2015.

Firefighter Lukas W. Semrau, effective June 20, 2015.

New Employees – Hired March 2, 2015.

Firefighter Joel A. Stone

Firefighter Jeremy R. Franke

Firefighter Ryan J. Adams

Firefighter Brandon M. Schwarz

Firefighter Joshua A. Canterbury

Firefighter Alexander J. Tislau

Firefighter Ryan J. Schaumberg

Firefighter Joshua M. Trembl

Firefighter Scott M. Buresh

Firefighter Andrew J. Witbro

Firefighter Brett P. Schroeder

Firefighter Andrew L. Peterson

Firefighter Alexander J. Kasten

Firefighter Cody J. Krusick

Firefighter Daniel P. Brzeskiewicz

Firefighter Benjamin D. Zemple

Firefighter Daniel S. Schultz

Firefighter Matthew T. Gilanyi

Retirements

Captain Sami J. Al-Saadi retired on December 31, 2015 after 30 years of service.

Resignations

Firefighter Joshua A. Canterbury resigned on August 19, 2015.

Firefighter Daniel P. Brzeskiewicz resigned on October 8, 2015.

Engineer Aaron G. DePas resigned on November 29, 2015.

2015 APPARATUS AND RIG INVENTORY

UNIT ID	YEAR	MAKE/MODEL	NOTES	STATUS
Engine 421	2006	Pierce/Enforcer	1250 gpm/750 gals.	Active
Engine 431	2012	Pierce Arrow XT	1500 gpm/750 gals.	Active
Engine 441	2009	Custom Fire/Spartan	1500 gpm/750 gals.	Active
Engine 451	2004	Pierce/Dash	1250 gpm/750 gals.	Active
Engine 461	2015	Pierce Velocity	1500 gpm/750 gals.	Active
Engine 471	2009	Custom Fire/Spartan	1250 gpm/750 gals.	Active
Engine 481	2007	Pierce/Quantum	1250 gpm/750 gals.	Active
Engine 491	1996	3-D/Spartan	1250 gpm/750 gals	Reserve
Engine 492	1998	Pierce/Dash	1250 gpm/750 gals.	Reserve
Engine 493	2002	Pierce/Dash	1500 gpm/750 gals.	Reserve
Ladder 421	2010	Pierce/Arrow XT	100-foot platform	Active
Ladder 451	2005	Pierce/Dash	105-foot ladder	Active
Ladder 461	2010	Pierce/Arrow XT	100-foot platform	Active
Ladder 491	1994	Pierce/Arrow	100-foot platform	Reserve
Ambulance 421	2010	Medtec/Chev G4500	ALS Ambulance	Active
Ambulance 431	2015	Lifeline/Chevrolet G4500	ALS Ambulance	Active
Ambulance 451	2015	Lifeline/Chevrolet G4500	ALS Ambulance	Active
Ambulance 461	2011	Medtec/Chev G4500	ALS Ambulance	Active
Ambulance 481	2012	Chev/Wheeled Coach	ALS Ambulance	Active
Ambulance 491	2006	Medtec/Ford E450	Unstaffed	Reserve
Ambulance 493	2006	Medtec/Ford	Unstaffed	Reserve
Ambulance 494	2006	Medtec/Ford	Unstaffed	Reserve
Chief 411	2009	Ford Expedition	Command vehicle	Active
Chief 431	2009	Ford Expedition	Command vehicle	Active
Pickup 8	2008	Ford/F250 Superduty	Unstaffed	Active
Pickup 10	2010	Chev. Silv. 2500HD	Maintenance Shop	Active
MSU 10	2006	Medtec/Ford E450	Maintenance Shop	Active
Engine 462	2012	Pierce/Ford	250 gpm/200 gals.	Active
Water Rescue421	2004	Chevrolet 4x4	Unstaffed	Active
Haz Mat 451	2000	3-D/Freightliner	Unstaffed	Active
Rescue 441	2005	Chevy. Kodiak/Trailer	Unstaffed	Active
Chief 401	2008	Ford Explorer	Admin	Active
Chief 402	2008	Chevrolet Trailblazer	Admin	Active
Chief 403	2008	Chevrolet Trailblazer	Admin	Active
404	2011	Dodge Journey	Staff Vehicle	Active
Inv 408	2014	Chevrolet Traverse LS	Staff vehicle	Active
Inv 409	2011	Dodge Journey	Staff vehicle	Active
Inv 410	2008	Town & Country	Staff vehicle	Active
Command Vehicle	2011	Ford F-750	Unstaffed	Active
GenSet	1989	Kohler Trailer Unit	20 KW	Active
Light Tower	2003	Power Manufacturing	8 KW	Active
Water Rescue Boat	2013	Zodiac Inflatable	12-foot	Active
Marine 1	2015	Lake Assault	28-foot	Active
FM411-Fire Inv.	2001	Taylor Made/Ford E450	Unstaffed	Active
406	2011	Chevrolet Colorado PU	Staff Vehicle	Active
407	2005	Chevrolet Yukon XL	Staff Vehicle	Active
405	2008	Town& Country	Staff Vehicle	Active
VAN411	2008	Chevrolet Express Van	Unstaffed	Active
Gator 1	2000	JD Gator 6x4	Special Event	Active
Gator 2	2002	JD Gator 6x2	Special Event	Active
Foam 1	2004	United Plastics Fab	Unstaffed	Active
Foam 2	2008	Foam Hauling Trailer	Unstaffed	Active
Med 1	2015	Medstat 500	Special Event	Active

OPERATIONS DIVISION

Assistant Chief Mike Nieft

The operations division of the Green Bay Metro Fire Department is tasked with protecting the lives and property of the citizens in our jurisdiction, which includes the City of Green Bay and the Village of Allouez. In 2015 Green Bay Metro Fire Department operations personnel responded to 12,252 calls for assistance.

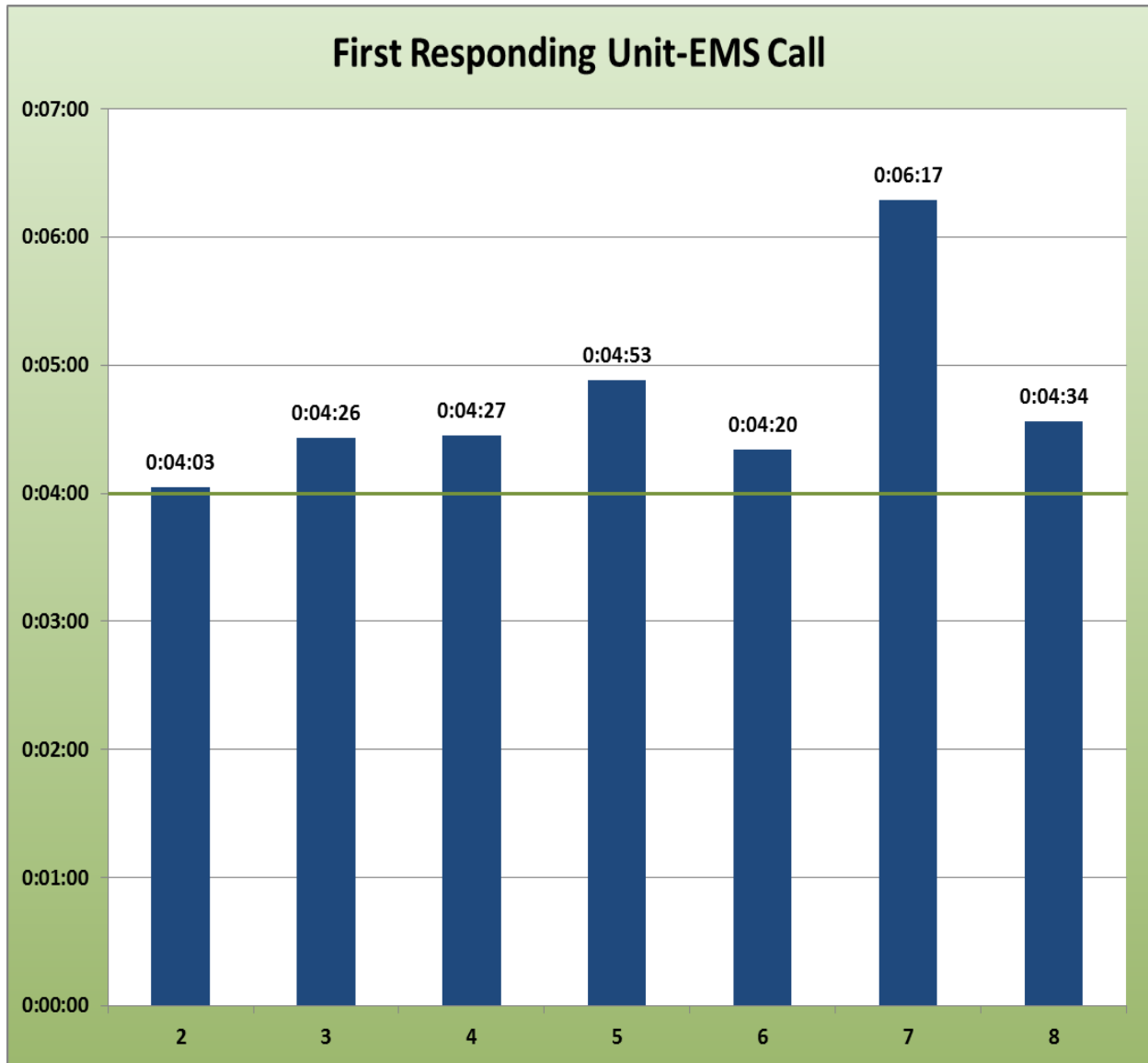
The operations division is responsible for managing all emergency responses and requests for assistance that come to the department through the Brown County Public Safety Communications Center. These calls for assistance cover many disciplines, all of which require specialized training for all personnel. The department responds to and trains for EMS, Fire, Hazardous Materials, Water Rescue, Rope Rescue, Collapse Rescue, Trench Rescue, Carbon Monoxide, and general assistance incidents.

December marked the three year anniversary of the consolidation with the Village of Allouez.

2015 Response Data

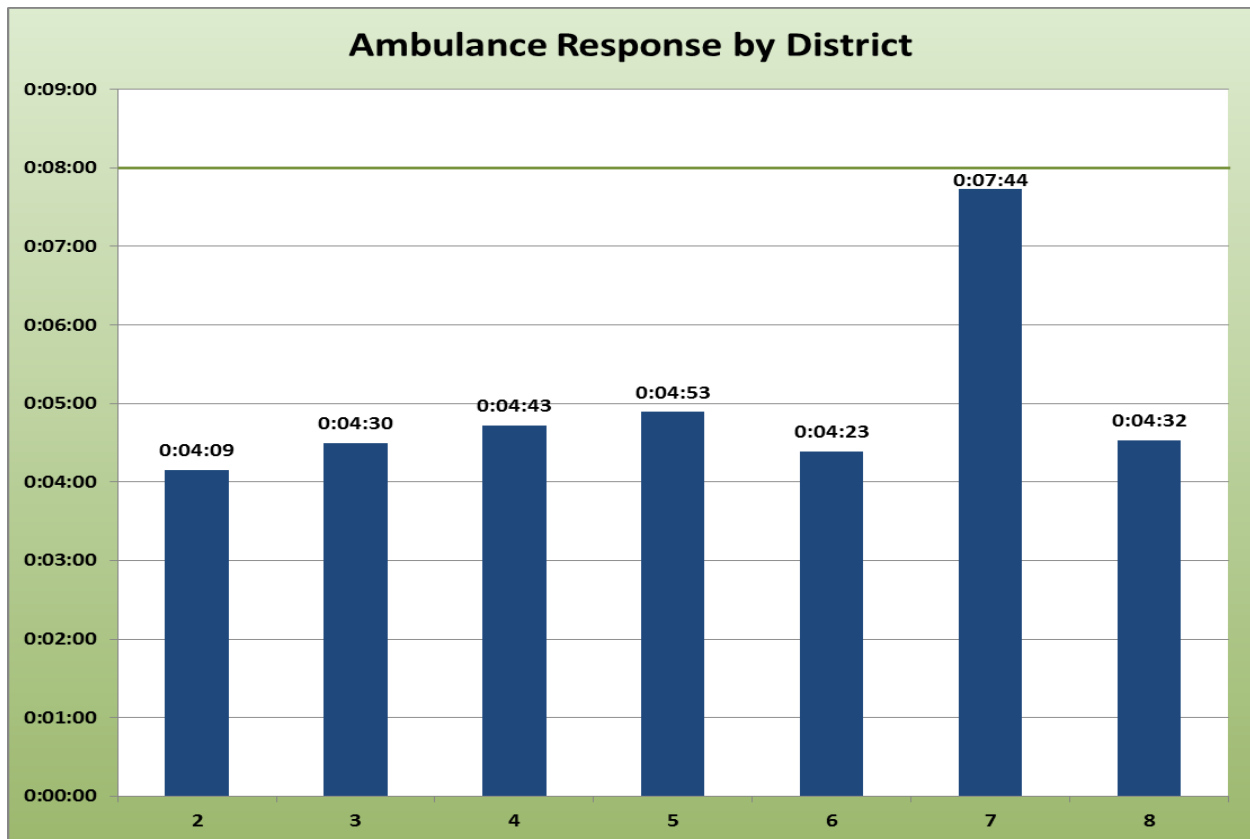
Call volume for 2015 increased by just over six percent over the previous year. EMS continues to be the primary need that the Department responds to. Fires are a much smaller percentage of calls but the types of materials used in modern construction make them more dangerous than ever. An unchecked fire can cause millions of dollars in damage in a short period of time which is why a quick and efficient response is vital.

	2010	2011	2012	2013	2014	2015
EMS/Rescue	7182	7308	7346	8388	8526	8942
Service Call	742	924	868	1061	791	990
Good Intent	504	578	592	830	809	903
Alarm / No Emergency	458	509	470	516	593	536
Hazardous Condition	236	369	243	309	261	308
Fire	285	301	312	278	267	277
Other	340	145	237	267	286	266
Rupture/Explosion	10	16	11	17	15	25
Severe Weather	9	21	2	2	0	5
TOTAL	9766	10171	10081	11668	11548	12252

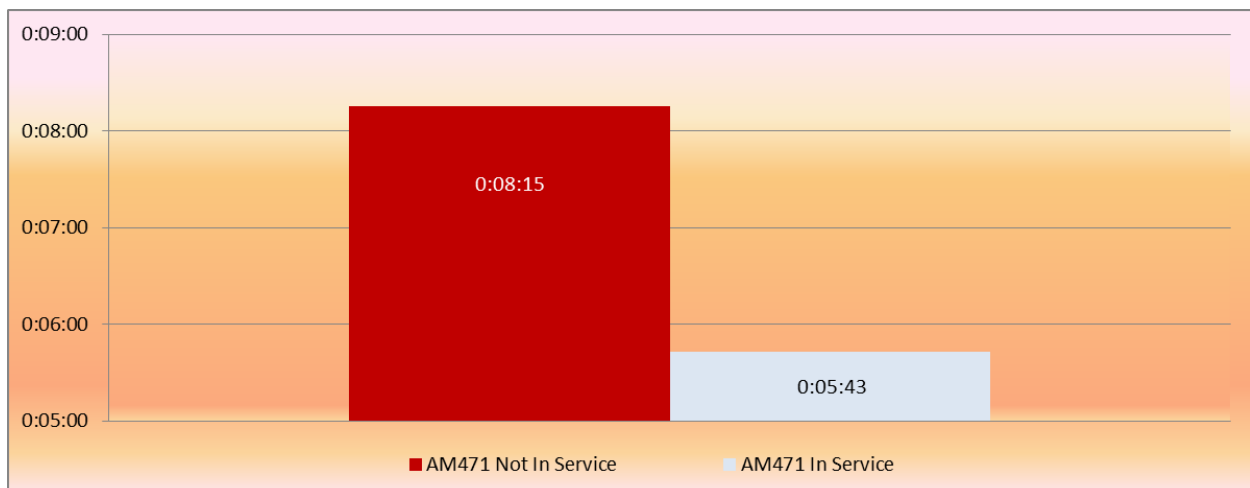


NFPA 1710-9

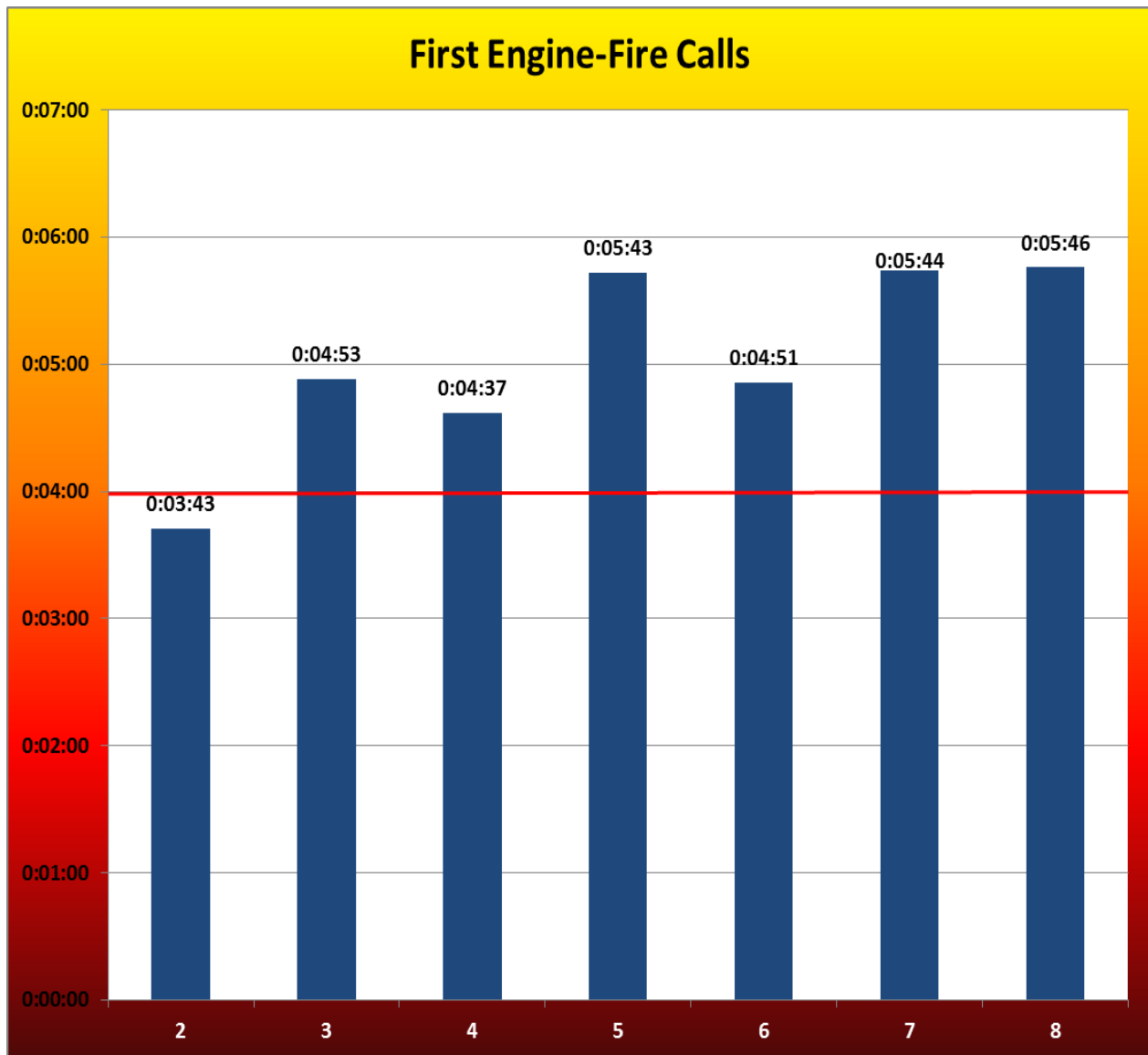
5.3.3.3.2 The fire department's EMS for providing a first responder with AED shall be deployed to provide for the arrival of a first responder with AED company within 4 minutes travel time to 90 percent of the incidents as established in Chapter 4.



5.3.3.3.3 The fire department's EMS for providing ALS shall be deployed to provide for the arrival of an ALS company within 8 minutes travel time to 90 percent of the incidents provided a first responder with AED or BLS unit arrived in 4 Minutes or less travel time.



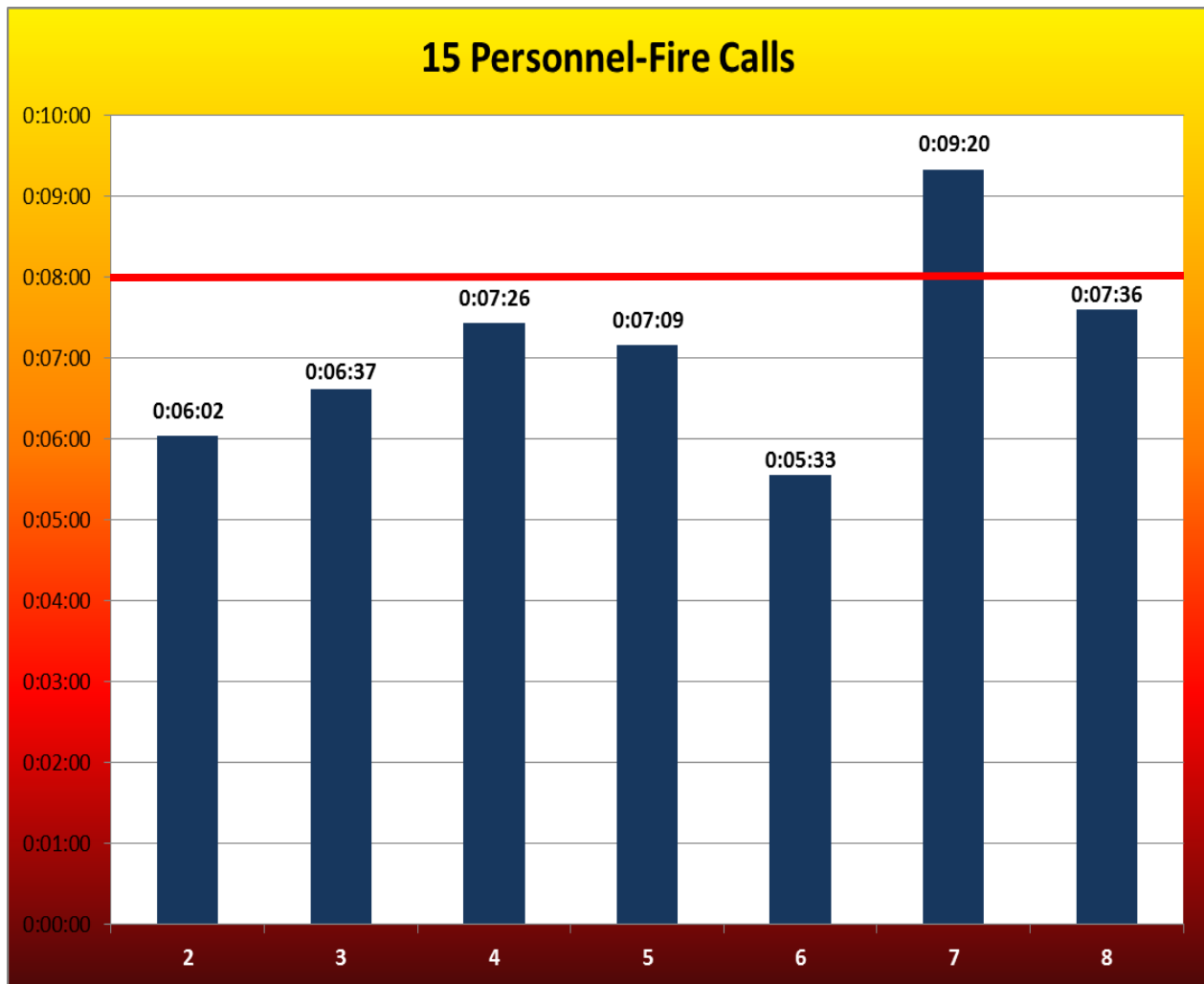
The above chart illustrates the improvement in ambulance response to calls in District 7 that is achieved when Ambulance 471 is in service.



NFPA 1710-9

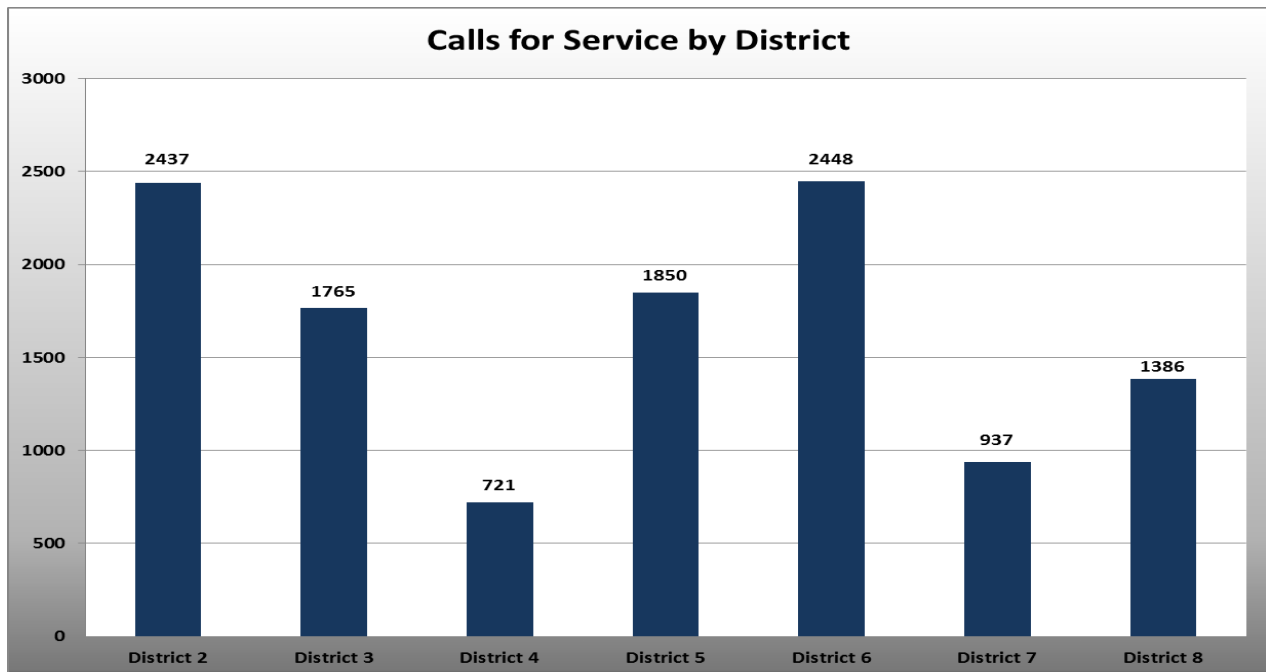
5.2.4.1.1 The fire department's fire suppression resources shall be deployed to provide for the arrival of an engine company within 4 minutes travel time to 90 percent of the incidents.

5.2.4.1.2 Personnel assigned to the initial arriving company shall have the capability to implement an initial rapid intervention crew (IRIC).

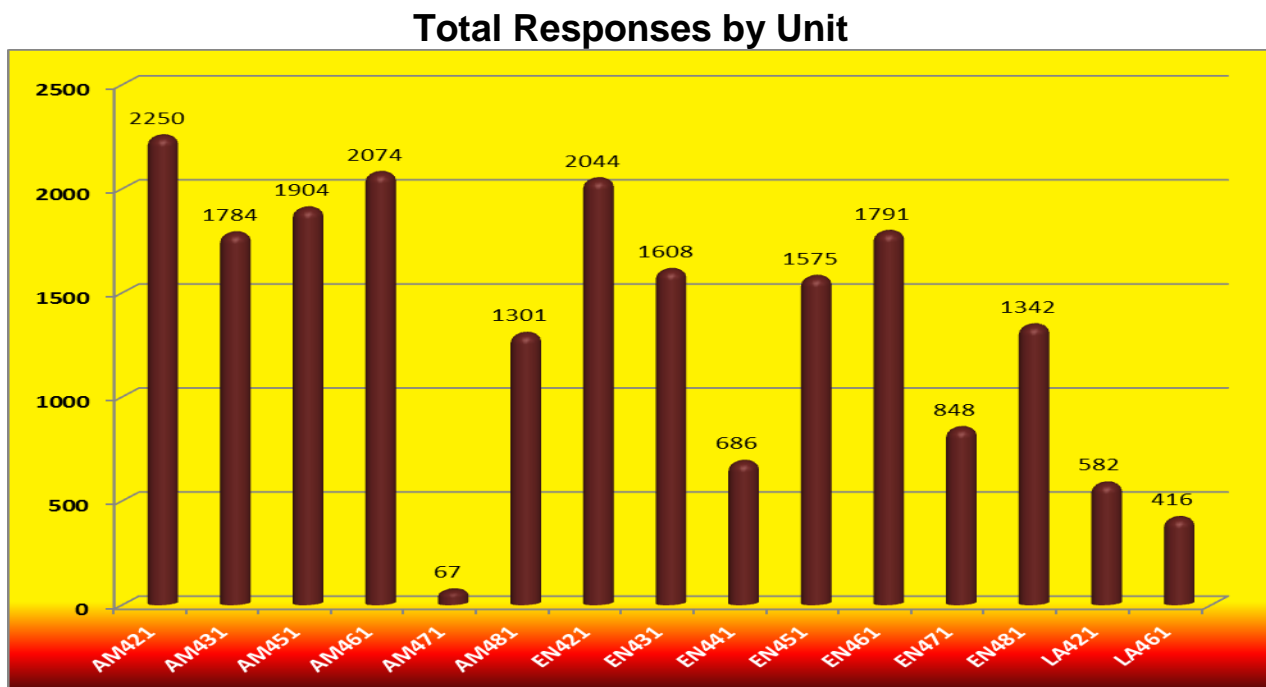


NFPA 1710-9

5.2.4.2.1 The fire department shall have the capability to deploy an initial full alarm assignment within 8 minutes travel time to 90 percent of the incidents.

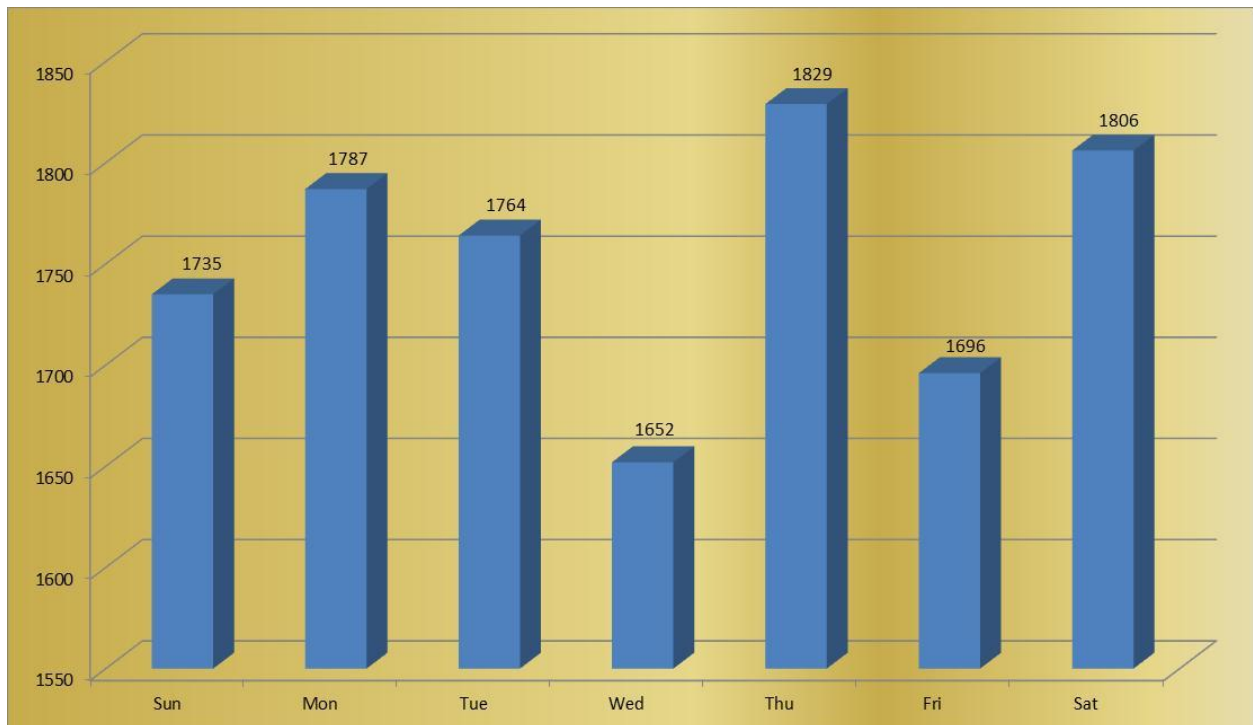


The numbers reflect the population density and the demographics of the districts.

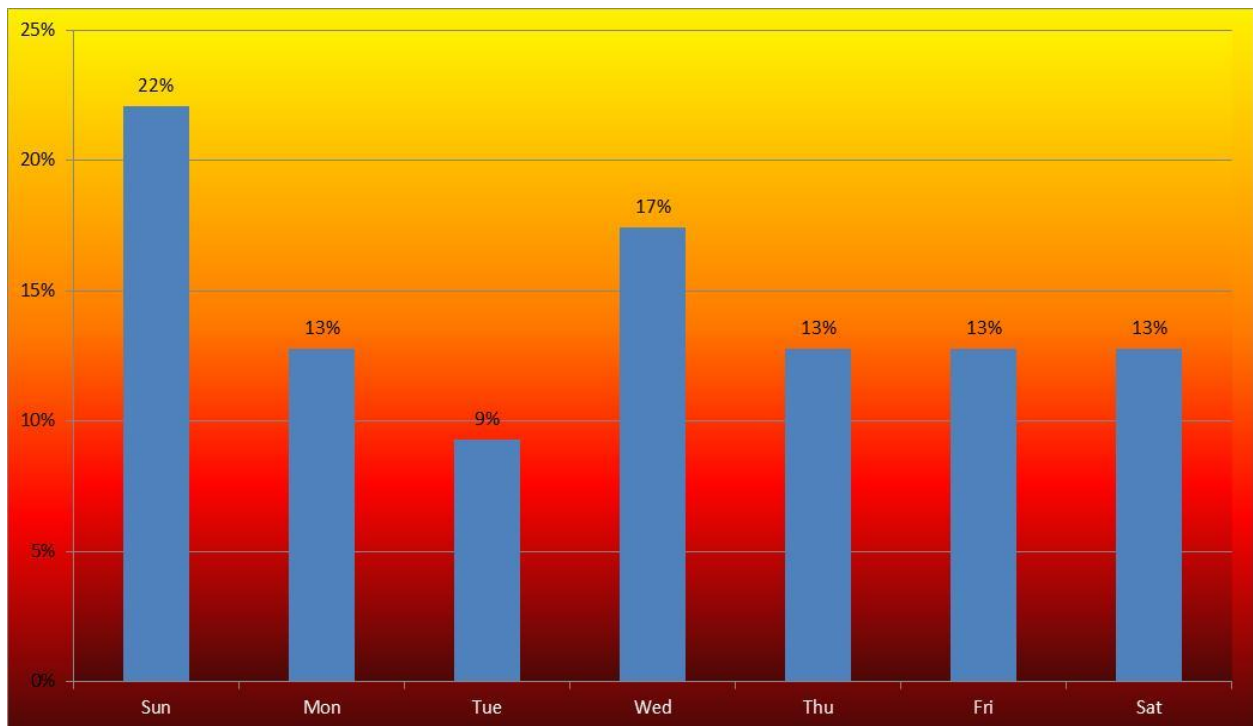


The above chart illustrates the number of calls for service by unit. You will note that Ambulance 471 had only 67 calls. We first began staffing Ambulance 471 in the fall of 2015 on days when we have personnel above minimum staffing levels. As the City grows and the population increases on the far east side, it is imperative that we do everything possible to meet the needs and expectations of our citizens.

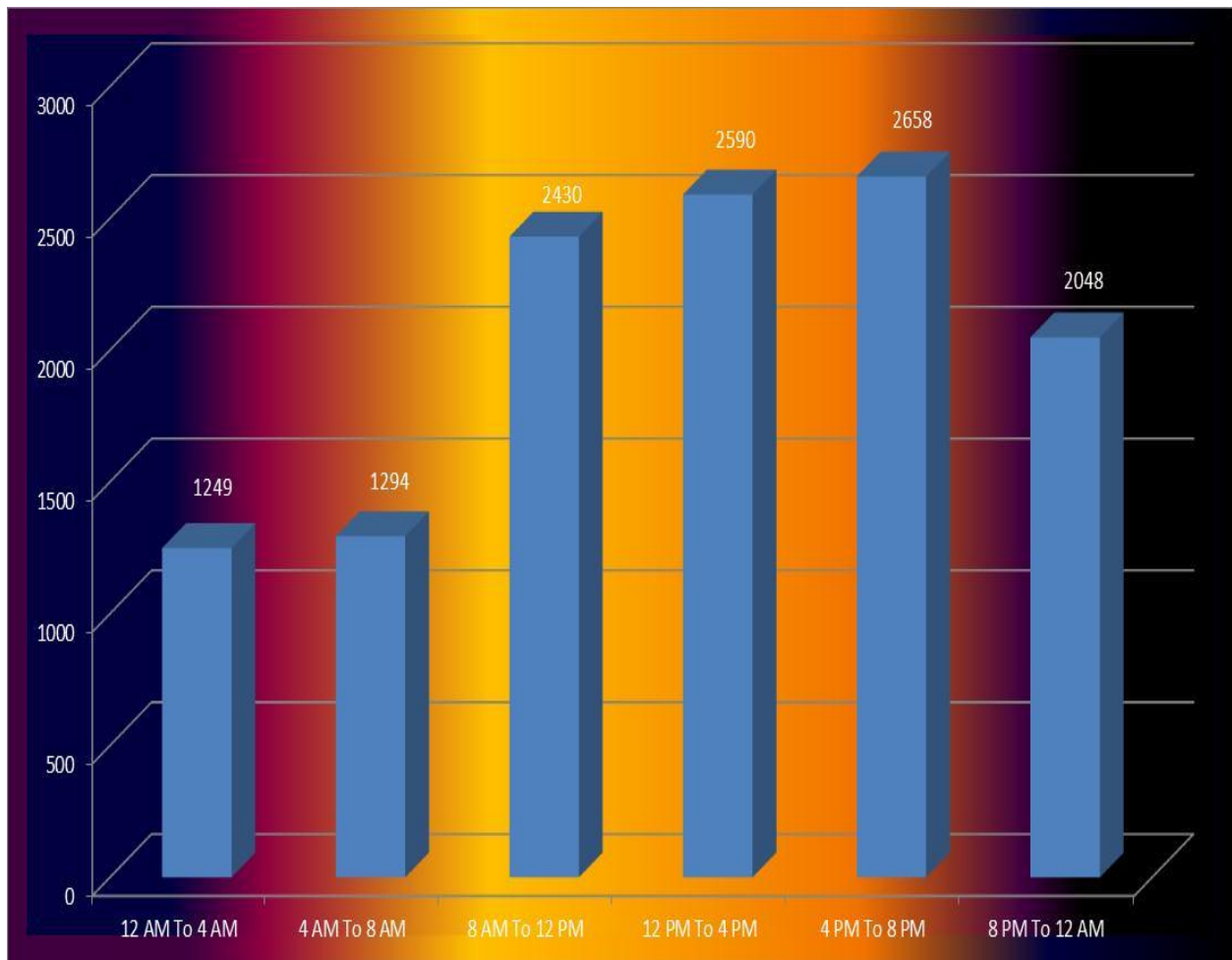
Calls by Day of the Week



Building Fires by Day of the Week



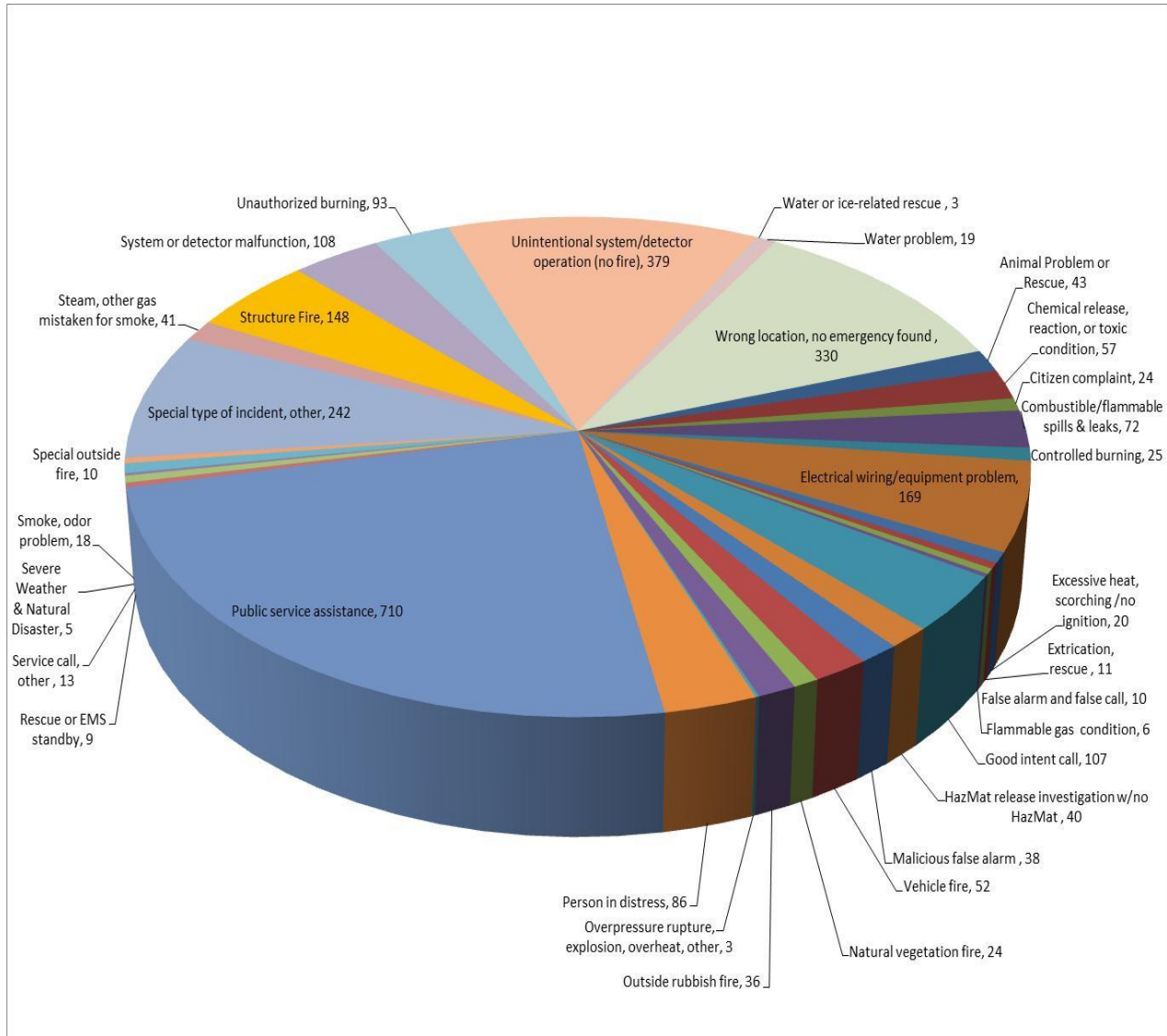
Calls by Time of Day



The previous three charts illustrate the unpredictable nature of our business. The number of calls by the day of the week can fluctuate from year to year. While Sunday is in the middle of the chart for total calls it was our busiest day of the week for building fires in 2015.

The calls by time of day chart shows that while there is an expected variance in call volume during the early hours of the day, the numbers are still significant and show a consistent need for our services around the clock.

Non-EMS Calls



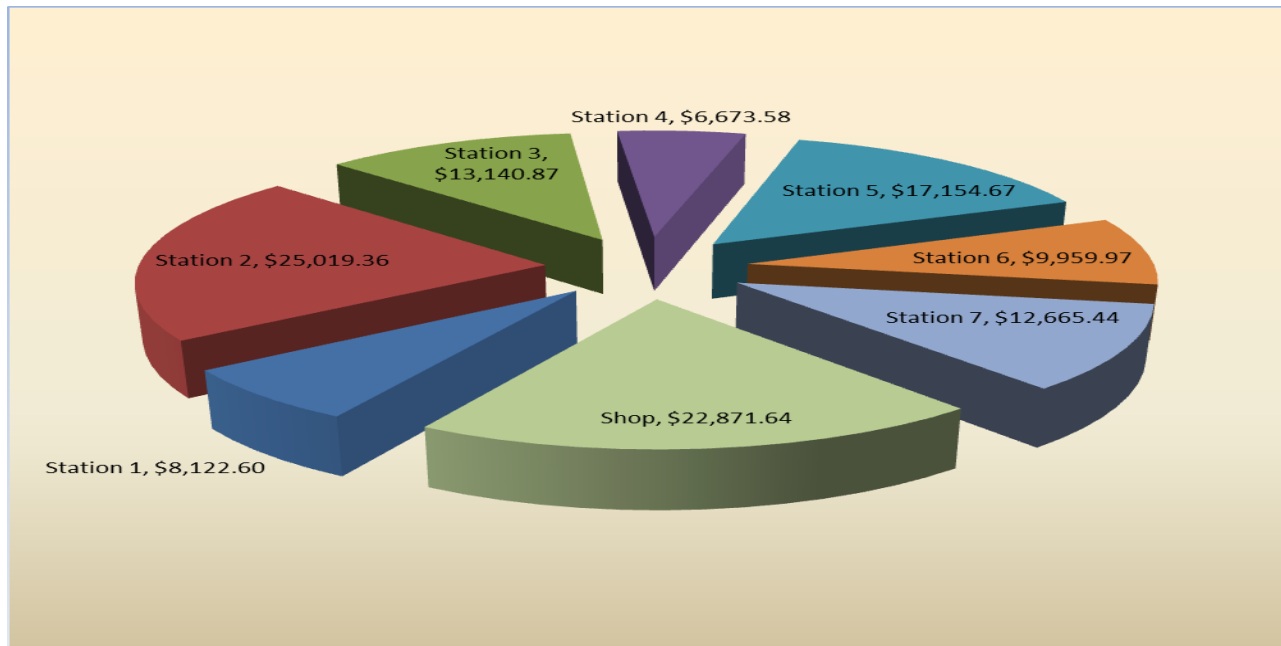
While EMS is around 75% of our business, there are a multitude of other reasons why our citizens may need our assistance. In addition to fire responses, the above chart shows how varied these calls can be and why we need to be masters of many disciplines.

Facilities

The Assistant Chief of Operations is responsible for Fire Department facilities. This includes maintenance and repair, as well as renovation and improvement. The facilities are listed in the chart below. Station 8 is owned and maintained by the Village of Allouez as per the 2012 merger agreement.

Building	Address	Square Ft	Stories	Original Built
Fire Station #1	501 S. Washington	5,000	2	1929
Fire Station #2	929 University	7,000*	2 +	1964
Fire Station #3	885 Shawano Ave	4,000	2	1936
Fire Station #4	2650 West Point Rd	10,000	1 +	2000
Fire Station #5	2310 Finger Rd	12,500	1 +	1996
Fire Station #6	1701 W. Mason St	8,500	1 +	1968
Fire Station #7	3489 Humboldt Rd	6,500	1 +	1981
Fire Station #8 **	135 Dauphin St	8000	1	unknown
Fire Shop	130 N Henry	8000	1+	1970
* Includes the basement square footage				
** Owned and Maintained by the Village of Allouez				

2015 expenditures per station are shown in the chart below. Illustrated are all expenditures for the year which are a combination of maintenance, repairs, and improvements.



Facility maintenance and upkeep is an ongoing challenge when you consider the age of some of our buildings. In 2015 the City of Green Bay commissioned a comprehensive study of all City owned buildings including those operated by the Fire Department. The study recommended a multitude of repairs and/or upgrades in order to bring our facilities in compliance with current codes and standards. The Fire Department will continue to seek the appropriate funds to make the recommended improvements.

Operations Division Project Areas

Communications-Accountability-Credentials

Battalion Chief Drew Spielman

Battalion Chief Drew Spielman is assigned the tasks of continuing to manage the fire department radio and MDT systems as well as the accountability and credentials of our members.

In a continued effort to improve the interoperability of the Green Bay Metro Fire Department, we recently took possession of a Digital Vehicle Repeater System (DVRS). This component is one of the final pieces of the new 700MHz radio system that was installed in 2013 and purchased as part of the Brown County side of the system. The DVRS assists the Fire Department utilizing the 700MHz radio system to allow inbound responding agencies that do not have the capability of using 700MHz to be patched into the incident channel. The DVRS unit is easily set up on the incident scene and becomes operational in a matter of minutes. This DVRS unit is carried on Command 411, the GBMFD Mobile Command Unit, and is available to any fire department throughout Brown County upon request.

Battalion Chief Spielman and Battalion Chief Ehmann continue to work towards getting the department ready for the changeover to cellular based MDT's. Last year crews evaluated several different styles of tablet based MDT's and found the Getac brand of tablet to be the best fit for our apparatus. Both Battalion Chiefs are working with the City of Green Bay IT department on the timeline for changing all GBMFD apparatus over to the new system.

During 2015 GBMFD crews experienced several issues of portable radio lapel microphones failing due to exposure to excessive water from heavy rain or activated sprinkler heads. Working with city radio technician Randy Frailing, BC Spielman was able to identify that the style lapel microphone was not intended for wet environments. A replacement plan was implemented and as funding became available, the lapel microphones were changed out for the appropriate style. This project should be completed in the spring of 2016.

Battalion Chief Spielman continues to ensure all members and apparatus have the appropriate accountability tags and replaces them as necessary. BC Spielman has also been updating the credentials of our new members and is working with the Brown County Emergency Management to get new ID tags printed. This is an area that is constantly evolving as members advance in rank or add to their skill set.



Hazardous Materials Response Team

Battalion Chief Robert Goplin

- Battalion Chief Rob Goplin leads the Green Bay Metro Fire Department Hazardous Materials Response Team.
- The team works closely with the Brown County Hazardous Materials Response Team. Assistant Team Leaders for the team are:
 - Battalion Chief Steve Sellin: Outreach and Coordination
 - Capt. David Lucier: Equipment and Maintenance
 - Lt. David Siegel: Training
- The team has 18 positions. All personnel are certified technicians and 5 are specialists.
- The team trains monthly to maintain skill competency and equipment familiarity.
- The GBMFD Hazardous Materials team is a contracted asset of the State of Wisconsin's regional hazardous materials response network. Partnering with the Appleton and Oshkosh Fire Departments to form one regional response team. State funding supports the training, equipment procurement, and maintenance of the team. As a state supported asset, the team may respond throughout the State if requested.
- In 2015, the team responded to 8 incidents, all within Brown County. In addition, the team deploys technician trained personnel to every home Packer game to provide immediate on site hazardous materials response and analysis.
 - 2015 Incident Summary:
 - Green Bay, transportation accident, multiple chemicals involved
 - Green Bay, diesel fuel leaking in to the basement of a structure
 - Howard, transportation accident with diesel fuel leak
 - Lawrence, transportation accident with Aluminum Sulfate spill
 - Ashwaubenon, ammonia odor at scene of death investigation
 - Green Bay, tallow spill in to Fox River
 - Bellevue, analysis of unknown chemicals for BCSD
 - Green Bay, analysis of unknown chemicals at scene of death investigation
 - Green Bay, football stadium, security response to all home Packer games



Pre-Incident Planning

Battalion Chief Mike VandenAvond

Pre incident planning is the process of gathering and recording information that could be critical for first responders making life saving decisions at an incident. Property and lives can be saved when the Incident Commander has access to this critical information about the building and its contents.

In 2015, we have all but finished obtaining the extra information needed for each school. This information will include such things as gas/electrical shut offs, elevators, mechanical rooms, roof access, and hazards. Next on the list will be the parochial schools in the city. The crews have been encouraged to get a site plan from the building so the pre plan is more detailed with an interior layout. This site plan is put on a second page of the pre plan. It will be a good tool for Battalion Chiefs so they know where in the building the crews are working.



Technical Rescue Team

Battalion Chief Steve Sellin

The Green Bay Metro Fire Department's Technical Rescue Team/USAR (Urban Search and Rescue) is made up of eighteen members who are specially trained in the areas of:

- Structural Collapse Search and Rescue
- High and Low Angle Rope Rescue
- Confined Space Search and Rescue
- Vehicle and Machinery Rescue
- Trench Excavation Rescue

Technical Rescue/USAR is summoned for complex rescue operations. USAR involves the location, rescue (extrication) and initial medical stabilization of victims in confined spaces or areas out of reach of normal firefighting equipment. USAR is a multi-hazard discipline, as it may be needed for a variety of emergencies or disasters, including storms/tornados, explosions, earthquakes, floods, technological accidents, terrorist activities and hazardous material releases.

The members are spread over all three shifts, and can be summoned off duty. The team's equipment is housed at Fire Station #4. The team meets quarterly for a day long training session on one of the disciplines listed above.

The team conducts outreach to other City departments such as DPW, Parks and Water who have frequent exposure to confined spaces, trenches, working at heights, etc. The team is building relationships with industrial partners who also have exposures to situations that may require a Technical Rescue response.

The team also conducts outreach with our surrounding communities. Through the Wisconsin Mutual Aid Box Alarm System (MABAS), Green Bay Metro Fire Department's Technical Rescue/USAR Team responds for all technical rescue needs within MABAS Division 112 (Brown County).

The GBMFD Technical Rescue/USAR Team may request assistance for a large incident from Wisconsin Task Force 1 (WI-TF-1). WI-TF-1 is the ESF-9 (Emergency Support Function) response asset owned and managed by the State of Wisconsin, Wisconsin Emergency Management. The focus of this system is to provide both "quick strike" capabilities and the ability to sustain operations for a minimum of 72-hours to ensure maximum survivability of victims statewide as well as nationally.

In 2014, five more members of GBMFD Technical Rescue/USAR Team joined Wisconsin Task Force 1 (WI-TF-1), bringing GBMFD total membership on the team to ten. In 2015, these new members completed Collapse 1 and Collapse 2 training at the REACT Training Center located at Volk Field in Camp Douglas Wisconsin. This training brings them up to fully deployable assets for WI-TF-1.

The mission of WI-TF-1 is to assist stricken communities or regions who have been overwhelmed with the effects of an emergency by providing specialized resources to aid the jurisdiction(s) in hazard mitigation, search and rescue and incident stabilization for responder activities. Membership on this team affords GBMFD personnel the opportunity to expand and further their training and rescue experiences. WI-TF-1 also trains quarterly and training culminates in an annual 72-hour Operational Readiness Exercise (ORE), to test the team's ability to place the entire team on the road and operate remotely for 72 consecutive hours without outside resources.

Turnout Gear

Battalion Chief Steve Sellin

Green Bay Metro Fire Department continued to purchase its turnout gear through the Value Bid, the largest purchasing consortium of turnout gear in the state. Due to the purchasing power of the Value Bid, we are able to get the pricing and service levels normally afforded much larger fire departments.

With our current turnout gear budgeting, we continue to strive for compliance with NFPA 1851 Standard on Selection, Care and Maintenance of Protective Ensembles for Structural Firefighting. The standard mandates retirement of structural turnout gear ten years from the date of manufacture. With our purchase strategy, a member's gear will spend five years as their frontline gear and five years as a backup set. This ensures that the member has a backup set of gear that fits and is in good shape for times when their primary set is wet or is being laundered after a fire.

In 2015, Green Bay Metro Fire Department was a field test location for the new V.A.L.U.E. Bid specification. The new spec will incorporate the newest materials on the market. These new materials offer enhanced protection at a lighter weight, and fabric that stretches and moves with the firefighter. This will decrease stress levels to the firefighter's body, increasing their safety. The new spec will go in effect July 1, 2016.

Awards Committee

Battalion Chief Steve Sellin

The Awards Committee meets on an as needed basis to review award nominations that are received from fire department members. Awards are given for exceptional acts in an emergency situation for both Fire Department members as well as citizens. The awards and medals for Fire Department members are given at the annual Promotion and Awards Dinner held in January and awards for citizens are given at the Fire Department Recruit Graduation that is normally held in May.

This year the awards committee added a Unit Citation Award to the collection of awards given. A Unit Citation reads:

Unit Citation

This award is to recognize a company, companies, or group of personnel assigned to a team who perform their duties, assignments, or projects in an exemplary manner. It is established to

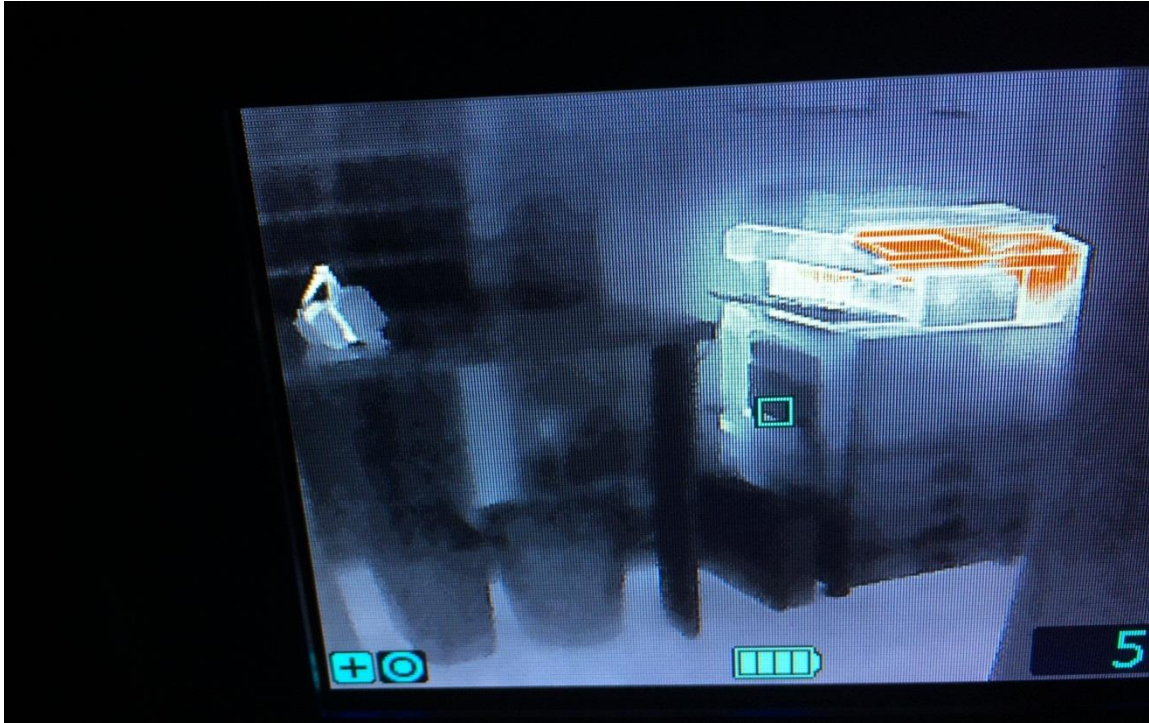
provide discretionary recognition for exemplary services to the city and/or its citizens. The award will consist of a certificate and uniform pin for each company/team member. The certificate will name each individual assigned to the company, companies, or team and describe what actions the citation is recognizing. Certificates will be framed and displayed at the station where the company is located. If no specific company is listed, the certificate will be displayed appropriately as determined by the Fire Chief. Nominations for consideration shall be presented to the Fire Chief in written form by any member of the Department. This award will be issued at the Fire Chiefs discretion in a manner deemed appropriate.

The first Unit Citations were given out at the annual Promotion and Awards Dinner this year to Engine 431 and Ladder 461 for their actions at Incident 1600062, Green Valley Apartments. Engine 431 and Ladder 461 made an outstanding fire stop and performed multiple ladder rescues at a 24 unit apartment building with heavy fire showing on their arrival.

Firefighting Equipment

Battalion Chief Robert Wiegert

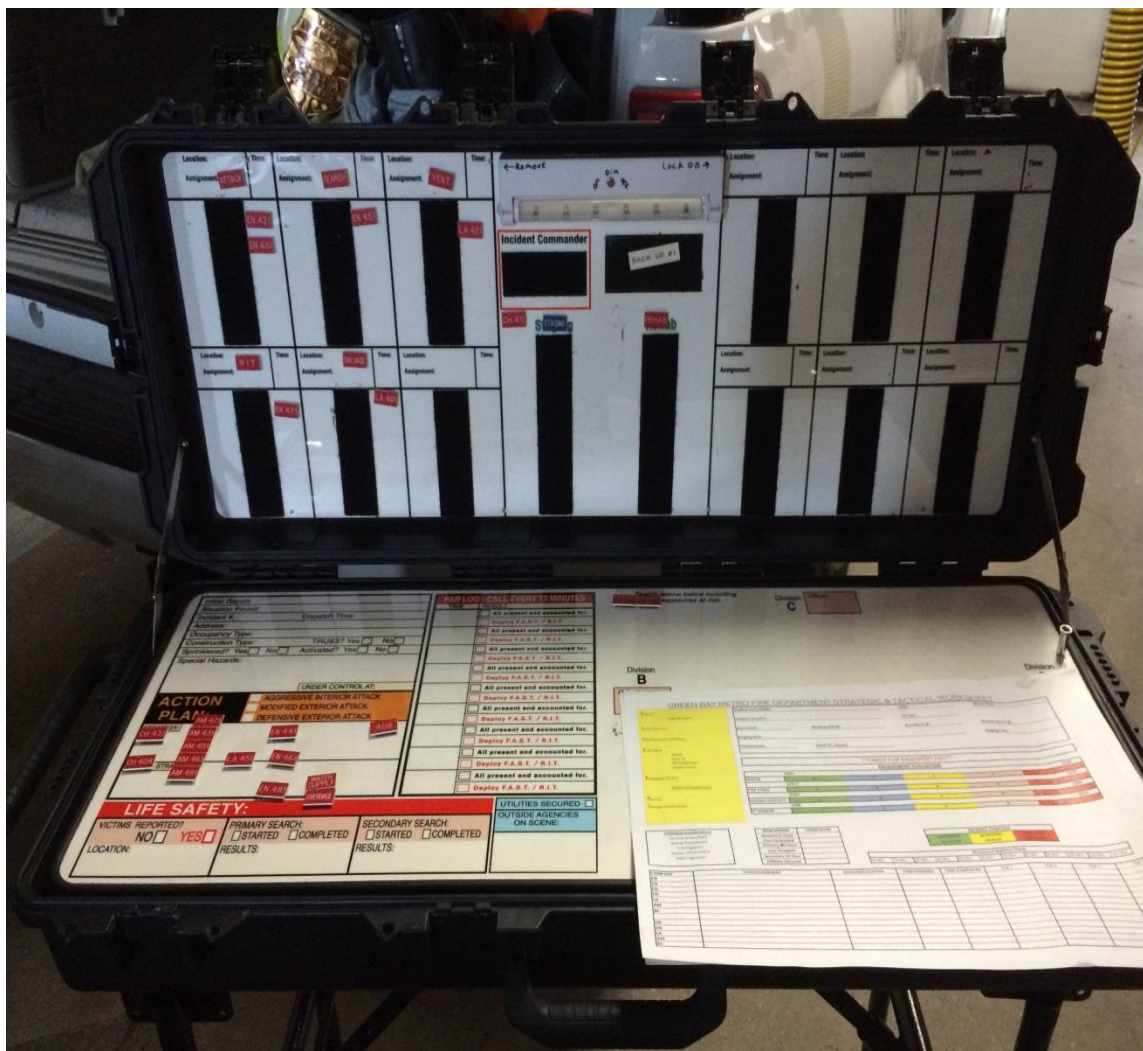
- Battalion Chief Robert Wiegert is responsible for the firefighting and rescue equipment carried on the 10 Engine and 4 Ladder Companies and numerous auxiliary vehicles maintained and operated by the Green Bay Metro Fire Department.
- 2015 saw the addition of the following new equipment:
 - 1) Case Commander Accountability cases were added to the Two Battalion Chief's vehicles and Command 411 command post vehicle. These are portable suitcase type devices used for tracking personnel and assignments at greater alarm incidents. This allows for more efficient tracking of operating crews, their location, and assignments. This assists the Incident Commander in operating a safer, more efficient operation.
 - 2) Brush/wood cutting chainsaws were added to the 3 main Ladder companies and to the Rapid Intervention Vehicle. Traditional Fire Dept. saws are designed for cutting roofing material, metal and other materials but are poorly suited for cutting brush and tree limbs. The addition of these saws to the units, mainly responsible for extrication, added a more appropriate tool to accomplish this task. Their worth was proven shortly after their placement on the apparatus. One of the Ladder companies used the saw to remove a large section of brush to access a vehicle that had crashed off the road and into a wooded area. The brush needed to be removed before hydraulic extrication tools could be used to remove the victim.
 - 3) Continued the replacement of older Thermal Imaging Cameras. The new cameras are lighter, smaller, and more user friendly than the older versions. They provide a more clear and detailed picture to assist crews in seeing through smoke to find potential victims and aid in their movement through smoke obscured environments. The completion of this replacement project will take place early in 2016 with all frontline apparatus receiving an updated camera.



View with new thermal imaging camera



Same view with older model thermal imaging camera



Case Commander Accountability case

Large Equipment

Battalion Chief Chris Ehmann

Battalion Chief Chris Ehmann has been assigned the primary areas of apparatus/large equipment and NFIRS (National Fire Incident Reporting System). Chief Ehmann also assists BC Spielman with the departments' radios and MDT's. Since 2010, the department's goal has been to standardize our vehicles and the equipment that is carried on them. This has been successful to date with the intention of this being the standard with all vehicles from this point forward.

No large vehicles were put into service in 2015. Two vehicles, Engine 421 and Ambulance 421, were approved for replacement. The bidding process has been completed and awarded. Pierce Manufacturing will be building the new engine and Wheeled Coach will be building the new ambulance. The specifications have been finalized and they are scheduled for delivery in mid-2016. These vehicles will be ordered with the same goal of standardization that has been utilized in the past. Battalion Chief Ehmann's primary responsibility will be to ensure the specifications that go out for these vehicles are correct and to ensure that they are built and delivered within the parameters of our specifications.

Battalion Chief Ehmann's other area of responsibility is the National Fire Incident Reporting System (NFIRS). This is a software reporting system that fire departments use to report all their activities and incidents to the U.S. Fire Administration. This past year we purchased our own software and server that we use as a format which allows us to customize the program to fit our needs. Another large benefit is data acquisition and analysis on run times, volume, types of incidents, etc.



Engine 461 – 2015 Pierce Velocity

Fire Marshal's Office

Captain Joe Gabe

The Green Bay Metro Fire Department (GBMFD) Marshal's Office duties and responsibilities include but are not limited to annual fire inspections, code enforcement, compliance inspections, fire suppression system testing, fire investigation, public education, public relations, plan review, issuing variances, and other activities aimed at reducing loss of life and property as a result of fire, throughout the City of Green Bay.

During 2015, the Fire Marshal's Office oversaw approximately 5,764 inspection visits, which include initial occupancy inspections, routine fire inspections, follow-up inspections, and complaint fire code enforcement inspections. In addition to these inspections approximately 36 hydrostatic fire sprinkler tests were conducted, twelve new Fire Alarm Systems Acceptance tests and 129 building site plans were reviewed, with twelve building variances approved by this office. A total of 989 fire code violations were noted during the annual fire inspections.

The Fire Marshal's Office has filled approximately 101 requests for fire reports and completed property file research for Phase I Environmental site assessments on approximately 49 properties in the City of Green Bay in response to requests for Underground Storage and Above Ground Storage Tank requests by various Environmental Engineering Companies.

The Fire Marshal's Office approved 26 fireworks permits in 2015, which included site visits to each display location prior to the issuing of a valid permit. A fireworks permit is required by code in order to have a legal fireworks display in the City of Green Bay.

Fire investigation is another key responsibility of the Fire Marshal's Office. The office is required to oversee, retain records of, and conduct follow up on all fire investigations conducted within the City of Green Bay. The Fire Marshal's Office conducted 81 in depth fire investigations including the 1011 North Danz St. fire which occurred on April 28th. The 1011 North Danz apartment fire investigation included the Fire Marshal's office, Brown County Fire Investigation Task Force, Green Bay Police Department (GBPD), and the State Fire Marshal's Office. It was determined that the fire was intentionally set leaving all of the occupants of the 16 unit apartment building homeless. Three days later two suspects were identified from video surveillance removed from the basement of the structure and subsequently arrested. Both suspects were subsequently interviewed and confessed to lighting the fire at 1011 North Danz Avenue.

The number of in-depth fire investigations went up significantly in the last three years with 81 fire investigations in 2015 compared to an earlier average of between 30 and 40 in-depth fire investigations conducted annually by the Fire Marshal's Office.



North Irwin Ave. Auto Shop Fire

Each month every incident is electronically reported to the United States Fire Administration (USFA). There are on average between 800 and 1,100 incidents now reported every month with the Village of Allouez accounting for between 80 and 100 of those calls. In 2015 the Green Bay Metro Fire Department responded to over 12,000 incidents of which 277 were fires that resulted in a total dollar loss of approximately \$2,064,130 which is down significantly from the previous record breaking year. Five adults and one juvenile were arrested for the crime of arson in 2015 as the result of collaborative investigations between the GBMFD Fire Marshal's Office and the GBPD Detective Division.

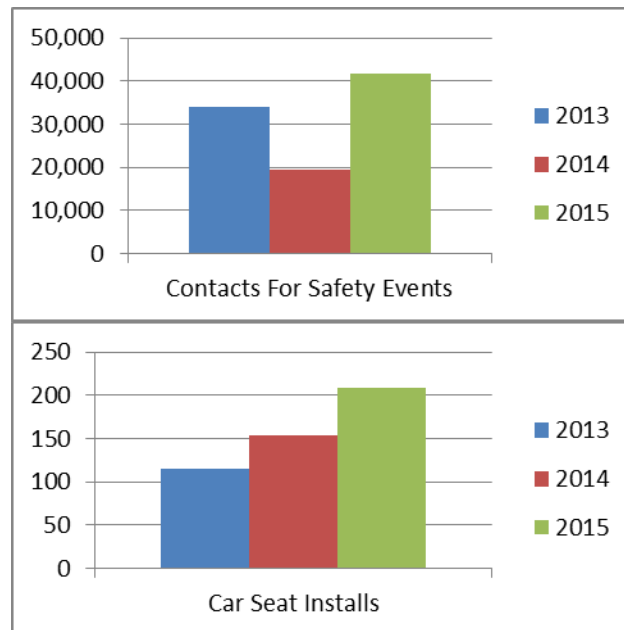
Life Safety Education

Lieutenant Nick Craig

The Life Safety Educator (LSE) is part of the Fire Marshal's Office and is responsible for educating the public on fire and life safety and injury prevention as well as overseeing and coordinating the department's education and prevention activities as they interact with the public. Identifying trends in calls and strategizing ways to prevent injuries and fires is also one of the core duties of the LSE. The LSE also fills the role of Public Information Officer to disseminate information regarding incidents and safety messages to the public.

In 2015, the Green Bay Metro Fire Department made contact with 41,788 people through education events throughout the City of Green Bay and the Village of Allouez. This was more than double the amount of people that we saw in 2014. Events included; fire safety talks, helmet safety events, station visits, fire extinguisher training, and fall prevention talks.

The department is a registered inspection station for car seats in which parents and caretakers of children can have their seats checked for proper installation. In Brown County, 90% of the seats that come to us are not installed properly and have at least 3 critical errors that could cause the seat to fail in a crash. 208 seats were checked by the department which was an increase from the 153 checked in 2014.

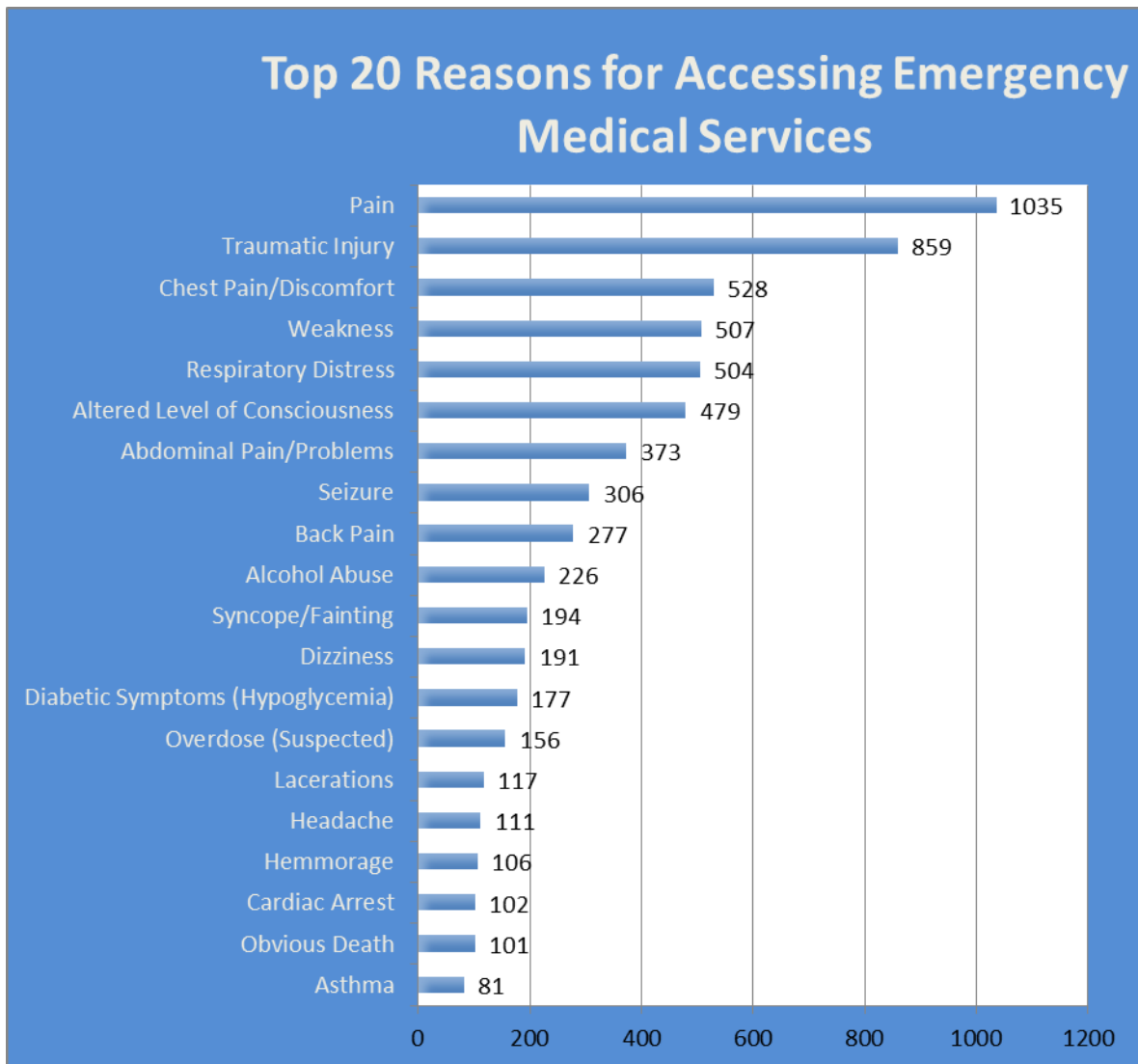


Other notables for 2015 are as follows:

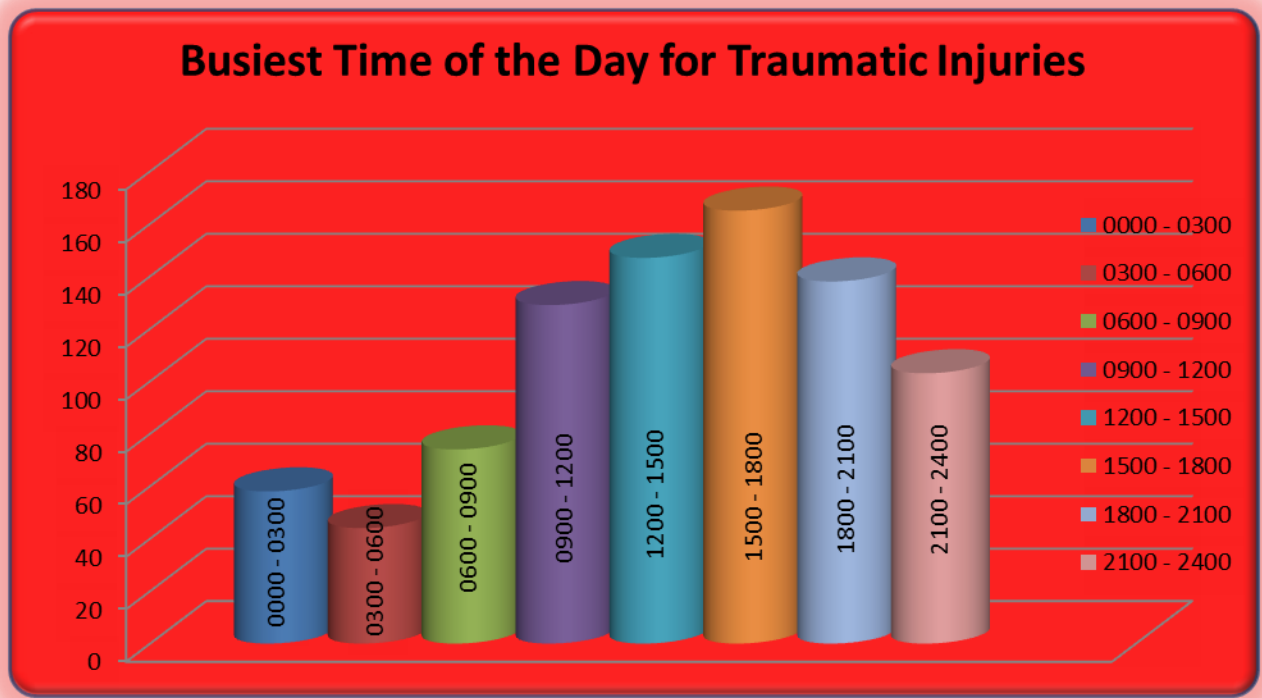
- 60 homes received a home inspection where 154 new smoke and carbon monoxide detectors were installed.
- 79 contacts were made with local media to disperse safety messages to the public.
- Launched an aggressive public service campaign to prevent cooking fires on local radio stations which launched before Thanksgiving.

EMS Division

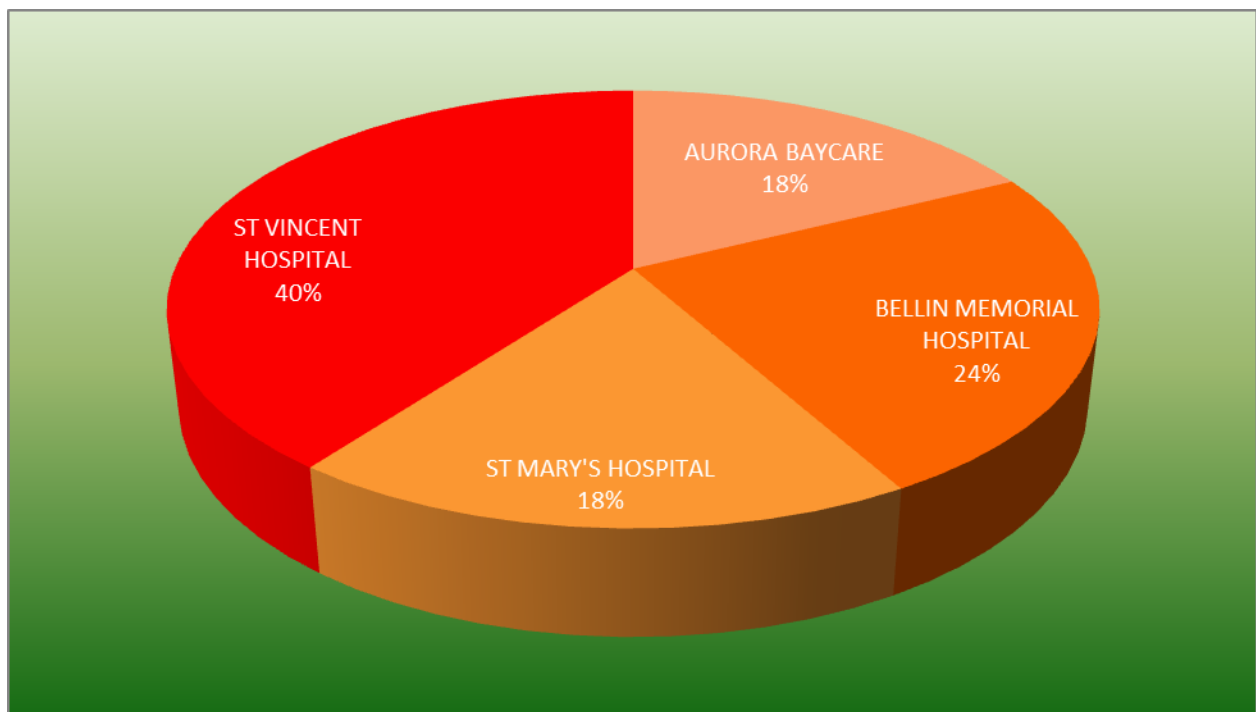
There are many factors that influence our provision of Emergency Medical Services to the citizens of the City of Green Bay and the Village of Allouez. Time of day, weather, and the nature of the illness or injury are all factors when it comes to utilization of Emergency Medical Services in our community.



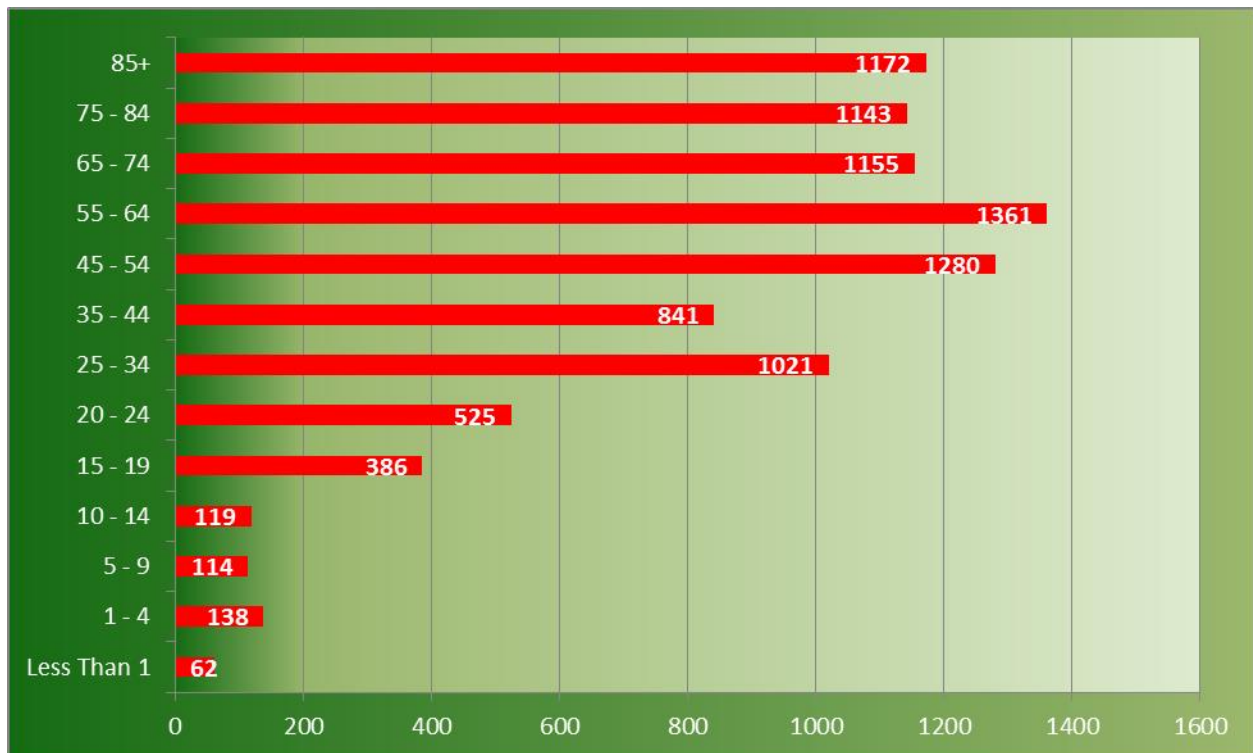
Traumatic injury is the second leading cause for activation of EMS in our community while falls are the single largest cause of injury. Last year the Green Bay Metro Fire Department responded to provide aid to 1,151 victims of falls. Further, we see these traumatic injuries are most likely to occur between the hours of 3:00 p.m. and 6:00 p.m.



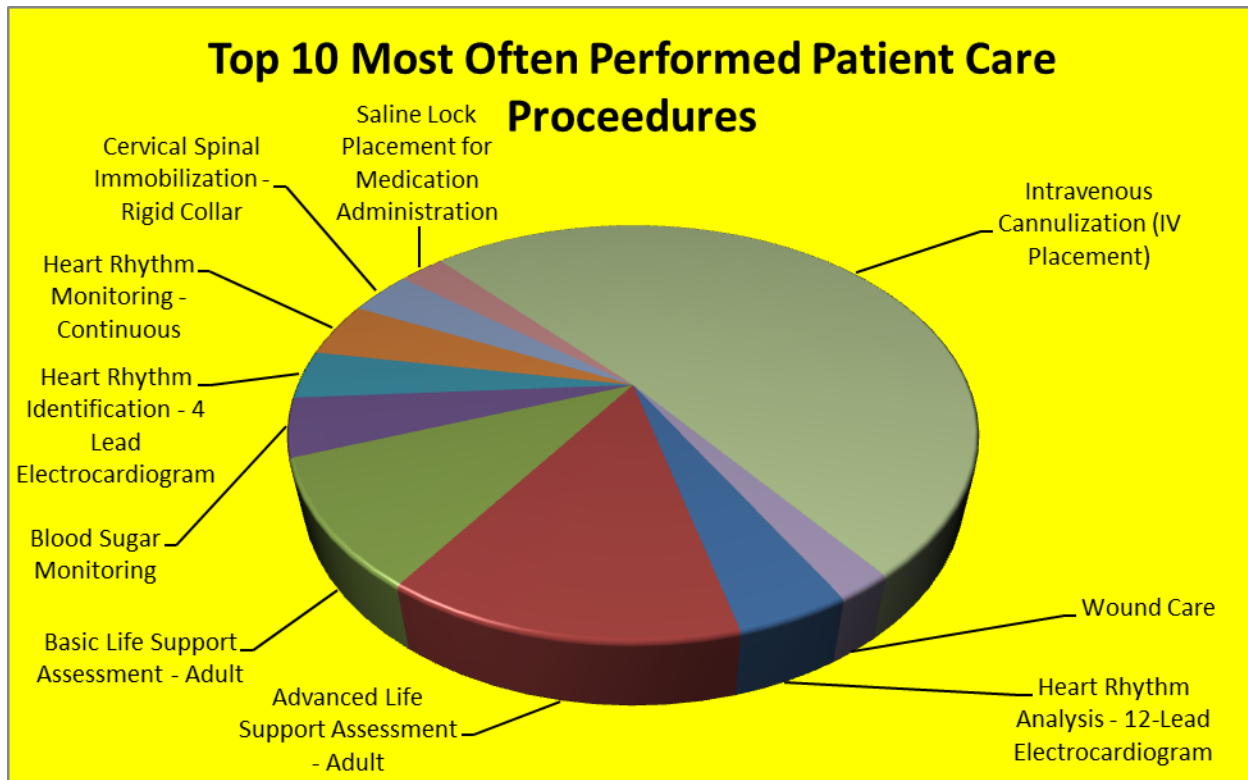
EMS patients are transported to the facility of their choice unless the nature of the injury or illness requires that Fire Department personnel select a particular hospital. The distribution of transports for 2015 is shown below.



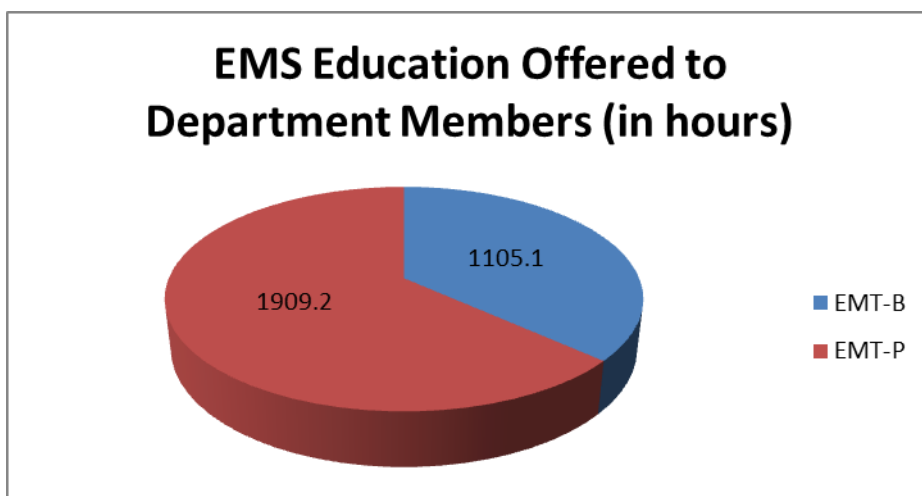
As our population ages and the Baby Boomers begin to retire, the demands for our services will increase. For the second year in a row 2015 showed that persons 55-64 years of age generated the most responses from the Green Bay Metro Fire Department.



The services of the Green Bay Metro Fire Department are called for anytime a citizen or visitor to our community has a medical emergency. More often than not these emergencies are treated successfully and the patient is delivered to the hospital in a stable condition which facilitates quicker access to definitive care as opposed to stabilizing care. Below you will find the most common treatments our patients receive in the prehospital setting.



In 2015, the Green Bay Metro Fire Department responded to 8942 Emergency Medical incidents. This is an increase of 416 responses over last year. With the increase in responses, our members must always be prepared for the next emergency. Education makes the difference when lives hang in the balance.



As you can see, the members of the Green Bay Metro Fire Department are ready and well trained to respond to any emergency at any time of the day or night. Our members not only are ready and well trained, but they are also well equipped. In 2015, our department was fortunate enough to upgrade our front line cardiac monitors to the newest technology available. This technology enables our paramedics to completely monitor the patient's airway status, breathing, and circulation and immediately correct life threatening conditions through the delivery of electric shocks known as defibrillation and cardioversion, as well as monitoring end-tidal capnography, pulse oximetry, and noninvasive blood pressure which all lead to improved patient outcomes.



Events like the Cellcom Marathon, Bellin Run, Bellin Women's Half Marathon, Fire over the Fox, along with concerts like the 2015 Kenny Chesney concert at Lambeau Field and Packer games all utilize emergency medical resources from the Green Bay Metro Fire Department. We deliver these services many times in adverse weather conditions to people that are having very real medical emergencies often times in large crowds. Last year the Green Bay Metro Fire Department took delivery of a vehicle we named Med 1. This vehicle is in essence an ambulance on a UTV chassis. With this vehicle, our crews can now provide care for these patients in a private, climate controlled treatment area that enhances patient care by eliminating the crowd from the emergency and allows our crews to see and hear leading to far superior treatment of our patients than we have ever been able to achieve in the past.



The key to providing the best care possible is to always be on the lookout for trends and be ready to address them. Our goals for 2016 are as follows:

- 1) Advance care for those members in our community who are most vulnerable and susceptible to falls by teaming up with the Aging and Disability Resource Center with the aid of the Regional Trauma Advisory Council to create a comprehensive falls prevention and response program that will be a model for communities across the state.
- 2) Assess the equipment our responders carry on the Ambulances, Engines, and Ladders to determine if we can further implement technology based solutions to improve patient outcomes.
- 3) Present refresher training to our paramedics in Pediatric Advanced Life Support which will enhance survivability for our seriously ill pediatric patient population.
- 4) Increase our continuing medical education offerings to our members both at the EMT Basic and Paramedic levels as well as capitalize on opportunities to utilize our Physician Medical Director during these trainings. This engagement between our crews and medical direction will lead to improved patient outcomes through case review and lessons learned training.
- 5) Seek out and actively participate in committees at our local hospitals that are aimed at injury and illness prevention to promote a healthier Green Bay and Allouez as well as make medical conditions once associated with high morbidity and mortality survivable.

Green Bay Metro Fire Department Training Division

Division Chief Brent Elliott

The Green Bay Metro Fire Department Training Division has two main job responsibilities. The first is oversight of all training provided to members of the Green Bay Metro Fire Department and the second to administer recruit training to new hires. We are responsible for delivery of training material as well as creation of training content that is designed to meet specific needs of the department. Our mission is clear, provide the training that our department needs to mitigate the multiple hazards we encounter as a department daily.

In 2015 the Training Division operated on an annual budget of \$15,200. This money was used to purchase supplies needed for our annual new hire recruit academy, purchase textbooks for our members career development and advancement, pay fees for members to take exams, purchase materials for multi-company drills, as well as pay for training props for members use that simulate real life conditions and problems commonly encountered during emergency responses.

The Green Bay Metro Fire Department placed 18 new employees on the department in 2015. This represents the largest group of new hires in decades. Each new hire was placed in an eleven week academy that covered every aspect of life as a firefighter. Incident operations, ladder work, engine and hose work, emergency medical services, auto extrication, and fire

prevention activities were all presented to give the new hire every chance of a safe and successful career as possible.

In 2015 the Green Bay Metro Fire Department achieved a Class 1 rating from the Insurance Services Office (ISO). Many would think that we have reached the top and have nowhere to go, we instead look at this as a validation of our efforts to continue upping the standard and setting the bar even higher for training within our department. Our training program operates on three basic principles. The three principals of this program are:

1. All training delivered will be driven by our departments operations
2. Development of our future is necessary for our survival
3. The place to make mistakes is on the training ground so that they don't happen when lives are at stake on responses.

These principals were the foundation for what is now the Green Bay Metro Fire Department Fire Training Program. Our program delivers training to our membership that is meant to refresh our basic skills and abilities, teach us new methods and procedures, and prepare our members for the future. We also offer training meant to prepare our members for the next step of their careers as well as create mentoring relationships between our senior officers and new officers. Last, we offer quarterly training for the purposes of bringing multiple companies together to practice more complex tasks and drill on things that will make us more capable than ever. Within all of this we have implemented technology driven training that allows us to not only explore new solutions from within our region, but now from around the world. As a part of the department that looks to the past to shape the future, we are proud to say that the future of training within our department is exciting.

Green Bay Metro Fire Department Training Program motto:

Amateurs train until they get it right.

Professionals train until they can't get it wrong.



Green Bay Metro Fire crews working with a local towing company on ways to best perform school bus extrication



GBMFD Firefighters entering a training burn on the City's west side



GBMFD crews use thermal imaging to assess a structure to determine the location of the fire before going in



GBMFD crews participating in firefighter incident rehabilitation training. Responder safety and health leads to better incident outcomes



2015 Recruit Class

Joel Stone, Andrew Witbro, Jeremy Franke, Brett Schroeder, Ryan Adams, Andrew Peterson, Brandon Schwarz, Alexander Kasten, Joshua Canterbury, Cody Krusick, Alexander Tislau, Daniel Brzeskiewicz, Ryan Schaumberg, Benjamin Zemple, Joshua Trembl, Daniel Schultz, Scott Buresh, Matthew Gilanyi

2016 Training Program Goals

1. Provide timely and relevant education and training to the members of our department that prepares our members for the challenges they continually face within a modern and prospering city.
2. Provide training to our membership that is aimed at increasing our response capabilities in a marine environment.
3. Partner with local manufacturing, storage, and transportation companies to provide product, facility, and hazard specific training for our membership.

4. Expand our continuing medical educational offerings to include Pediatric Advanced Life Support for each Paramedic.
5. Complete the Emergency Services Instructor training for our department so that every member will be able to contribute specific training to the entire department in their area of individual expertise.
6. Continue to certify our members as State of Wisconsin Fire Officer level 1.
7. Exercise our department on its mass casualty plan by holding a training exercise focused on multiple patient management, medical facility communication, and effective patient tracking.
8. Train additional fire boat pilots to operate our new fireboat, Marine 1.
9. Expand our station libraries so that members always have the reference material or resource they need when they need it.
10. Offer our first rank academy to members being promoted to the rank of Captain.

Green Bay Metro Fire Department Support Services

Division Chief Brent Elliott

Support Services for the Green Bay Metro Fire Department are provided by our two Self Contained Breathing Apparatus technicians and one Meter and Monitor Technician, who are each assigned a dual role. The first role is within our operations division as frontline firefighters and the second role is under Support Services as our Self Contained Breathing Apparatus Technicians and Meter and Monitor Technician. These three technicians also receive specialized training in their area of expertise as well as periodic recertification. In 2015, the Support Services team maintained our 100 self-contained breathing apparatus and 8 breathing air cascade and compressor systems, as well as calibrated and maintained our 18 toxic gas and atmospheric monitoring meters.

Support Services Facts

1. The GBMFD SCBA Technicians service the Self Contained Breathing Apparatus for the Hazardous Materials Team and the Hazardous Materials Team's Monitor Technician services and calibrates all of our fire department meters and monitors. This partnership saves money while utilizing technical experts where they are needed, whenever they are needed, eliminating the need to have outside vendors perform this service work.
2. Green Bay Metro Fire Department Support Services also is responsible for technology within the fire department. This includes 30 cell phones, 30 computers, 25 Mobile Data

Terminals, 3 major software systems, and 1 billing company (for ensuring a seamless interface between our incident reporting software and our incident billing).

3. The Green Bay Metro Fire Department Support Services also is responsible for ensuring our video conference system is up and functional at all 8 stations at all times.
4. With the emphasis the Green Bay Metro Fire Department places on training, all 8 stations have been equipped with fully functional classrooms that allow the learner to be immersed in a class experience that includes audio, video, as well as tactile learning. It is GBMFD Support Services with the help of the City IT department that keeps our classrooms functional.

**Green Bay Metro Fire Department Self Contained Breathing Apparatus Repair Shop
Located at Fire Station 6, 1701 W. Mason Street, Green Bay**



2015 Support Services Goals

- Work towards upgrading any equipment that is past its acceptable life span.
- Transition our vehicle mounted Mobil Data Terminals from radio based information to cellular based information.
- Ensure every station has a PC in the classroom or a laptop that is accessible for classroom learning.
- Integrate technological solutions into training and Emergency Medical Services operations.

The Green Bay Metro Fire Department has a Capital Plan in place that addresses the replacement of apparatus and staff vehicles at the end of their service life. As with any Capital Plan, failure to adhere to the plan can have a snowball effect as maintenance costs and down time for aging apparatus escalate.

FUTURE CAPITAL NEEDS

	Apparatus	Estimated Cost	
2016	Ambulance 461	\$230,000.00	
	Ambulance 481	\$230,000.00	\$460,000.00
2017	Engine 451	\$610,400.00	
	Ambulance 431	\$241,500.00	
	Chief 401	\$32,000.00	
	Chief 431	\$65,000.00	\$948,900.00
2018	Engine 441	\$627,200.00	
	Ambulance 451	\$253,575.00	
	Chief 403	\$33,600.00	
	EMS 407	\$33,600.00	\$947,975.00
2019	Engine 471	\$644,000.00	
	Ambulance 421	\$266,253.00	
	Chief 402	\$35,280.00	
	Utility 405	\$35,280.00	
	Hazmat 451	\$103,500.00	\$1,084,313.00
2020	Engine 481	\$663,320.00	
	Ambulance 461	\$279,566.00	
	Ambulance 481	\$279,566.00	
	Med 2	\$136,500.00	\$1,358,952.00